1958

Ready Reference

ALMANAC

WEATHER AND PLANTING TABLES

ASTROLOGY • HOME HELPS

DAILY PLANNING SCHEDULE

Handbook of Valuable Information

◆ ◆ ◆

THE BANK OF ROBINSON

Ph. Kimball 4-2435

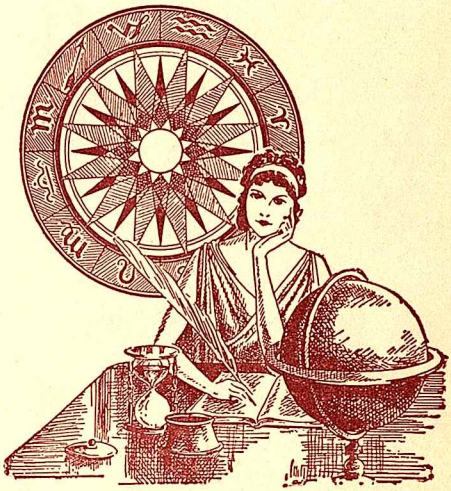
Robinson, Kansas

F.D.I.C.

150

The Ready Reference

ALMANAC



1958

COPYRIGHT 1957 BY THE READY REFERENCE PUBLISHING CO.
ALL RIGHTS RESERVED 43 PRINTED IN THE U.S.A.

1957

JANUARY

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

FEBRUARY

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	--	--
--	--	--	--	--	--	--

MARCH

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

APRIL

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	--	--	--	--
--	--	--	--	--	--	--

MAY

S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--
--	--	--	--	--	--	--

JUNE

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	--	--	--	--	--	--

JULY

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	--	--	--
--	--	--	--	--	--	--

AUGUST

S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
--	--	--	--	--	--	--

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	--	--	--	--	--
--	--	--	--	--	--	--

OCTOBER

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

NOVEMBER

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
--	--	--	--	--	--	--

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	--	--	--	--
--	--	--	--	--	--	--

1958

JANUARY

S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--
--	--	--	--	--	--	--

FEBRUARY

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	--
--	--	--	--	--	--	--

MARCH

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

APRIL

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	--	--	--
--	--	--	--	--	--	--

MAY

S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
--	--	--	--	--	--	--

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	--	--	--	--	--
--	--	--	--	--	--	--

JULY

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

AUGUST

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

SEPTEMBER

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	--	--	--	--
--	--	--	--	--	--	--

OCTOBER

S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--
--	--	--	--	--	--	--

NOVEMBER

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	--	--	--	--	--	--

DECEMBER

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	--	--	--
--	--	--	--	--	--	--

1959

JANUARY

S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
--	--	--	--	--	--	--

FEBRUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
--	--	--	--	--	--	--
--	--	--	--	--	--	--

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	--	--	--	--
--	--	--	--	--	--	--

APRIL

S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	--	--
--	--	--	--	--	--	--

MAY

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

JUNE

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	--	--	--	--
--	--	--	--	--	--	--

JULY

S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--
--	--	--	--	--	--	--

AUGUST

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

SEPTEMBER

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	--	--	--
--	--	--	--	--	--	--

OCTOBER

S	M	T	W	T	F	S
-	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
--	--	--	--	--	--	--

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	--	--	--	--	--
--	--	--	--	--	--	--

DECEMBER

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

READY-REFERENCE CALENDAR

For ascertaining any day of the week for any given time from 1753 to 2000 inclusive.

Common Years, 1753 to 1999	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1761 1789 1801 1829 1857 1885 1903 1931 1959 1987 1767 1795 1807 1835 1863 1891 1914 1942 1970 1998 1778 1818 1846 1874 1925 1953 1981	4	7	7	3	5	1	3	6	2	4	7	2
1762 1790 1813 1841 1869 1897 1915 1943 1971 1999 1773 1819 1847 1875 1926 1954 1982 1779 1802 1830 1858 1886 1909 1937 1965 1993	5	1	1	4	6	2	4	7	3	5	1	3
1757 1785 1803 1831 1859 1887 1910 1938 1966 1994 1763 1791 1814 1842 1870 1898 1921 1949 1977 1774 1825 1853 1881 1927 1955 1983	6	2	2	5	7	3	5	1	4	6	2	4
1754 1782 1822 1850 1878 1918 1946 1974 1765 1793 1805 1833 1861 1889 1901 1929 1957 1985 1771 1799 1811 1839 1867 1895 1907 1935 1963 1991	2	5	5	1	3	6	1	4	7	2	5	7
1755 1783 1800 1823 1851 1879 1902 1930 1958 1986 1766 1794 1806 1834 1862 1890 1913 1941 1969 1997 1777 1817 1845 1873 1919 1947 1975	3	6	6	2	4	7	2	5	1	3	6	1
1758 1786 1809 1837 1865 1893 1905 1933 1961 1989 1769 1797 1815 1843 1871 1899 1911 1939 1967 1995 1775 1826 1854 1882 1922 1950 1978	7	3	3	6	1	4	6	2	5	7	3	5
1753 1781 1810 1838 1866 1894 1906 1934 1962 1990 1759 1787 1821 1849 1877 1917 1945 1973 1770 1798 1827 1855 1883 1900 1923 1951 1979	1	4	4	7	2	5	7	3	6	1	4	6
Leap Years 1756 to 2000	.	29	.	.	.	.	.	.	.	.	.	.
1764 1792 1804 1832 1860 1888 1928 .... 1956 1984	7	3	4	7	2	5	7	3	6	1	4	6
1768 1796 1808 1836 1864 1892 1904 1932 1960 1988	5	1	2	5	7	3	5	1	4	6	2	4
1772 .... 1812 1840 1868 1896 1908 1936 1964 1992	3	6	7	3	5	1	3	6	2	4	7	2
1776 .... 1816 1844 1872 .... 1912 1940 1968 1996	1	4	5	1	3	6	1	4	7	2	5	7
1780 .... 1820 1848 1876 .... 1916 1944 1972 2000	6	2	3	6	1	4	6	2	5	7	3	5
1756 1784 1824 1852 1880 .... 1920 1948 1976	4	7	1	4	6	2	4	7	3	5	1	3
1760 1788 1828 1856 1884 .... 1924 1952 1980	2	5	6	2	4	7	2	5	1	3	6	1

1	2	3	4	5	6	7
Monday.... 1	Tuesday.... 1	Wednesday. 1	Thursday... 1	Friday..... 1	Saturday... 1	SUNDAY.. 1
Tuesday.... 2	Wednesday. 2	Thursday... 2	Friday..... 2	Saturday... 2	SUNDAY.. 2	Monday.... 2
Wednesday. 3	Thurdsay... 3	Friday..... 3	Saturday... 3	SUNDAY.. 3	Monday.... 3	Tuesday.... 3
Thursday... 4	Friday..... 4	Saturday... 4	SUNDAY.. 4	Monday.... 4	Tuesday.... 4	Wednesday. 4
Friday..... 5	Saturday... 5	SUNDAY.. 5	Monday.... 5	Tuesday.... 5	Wednesday. 5	Thursday... 5
Saturday... 6	SUNDAY.. 6	Monday.... 6	Tuesday.... 6	Wednesday. 6	Thursday... 6	Friday..... 6
SUNDAY.. 7	Monday.... 7	Tuesday.... 7	Wednesday. 7	Thursday... 7	Friday..... 7	Saturday... 7
Monday.... 8	Tuesday.... 8	Wednesday. 8	Thursday... 8	Friday..... 8	Saturday... 8	SUNDAY.. 8
Tuesday.... 9	Wednesday.. 9	Thursday... 9	Friday..... 9	Saturday... 9	SUNDAY.. 9	Monday.... 9
Wednesday.10	Thursday...10	Friday.....10	Saturday...10	SUNDAY..10	Monday....10	Tuesday....10
Thursday...11	Friday.....11	Saturday...11	SUNDAY..11	Monday....11	Tuesday....11	Wednesday.11
Friday.....12	Saturday...12	SUNDAY..12	Monday....12	Tuesday....12	Wednesday.12	Thursday...12
Saturday...13	SUNDAY..13	Monday....13	Tuesday....13	Wednesday.13	Thursday...13	Friday.....13
SUNDAY..14	Monday....14	Tuesday....14	Wednesday.14	Thursday...14	Friday.....14	Saturday...14
Monday....15	Tuesday....15	Wednesday.15	Thursday...15	Friday.....15	Saturday...15	SUNDAY..15
Tuesday....16	Wednesday.16	Thursday...16	Friday.....16	Saturday...16	SUNDAY..16	Monday....16
Wednesday.17	Thursday...17	Friday.....17	Saturday...17	SUNDAY..17	Monday....17	Tuesday....17
Thursday...18	Friday.....18	Saturday...18	SUNDAY..18	Monday....18	Tuesday....18	Wednesday.18
Friday.....19	Saturday...19	SUNDAY..19	Monday....19	Tuesday....19	Wednesday.19	Thursday...19
Saturday...20	SUNDAY..20	Monday....20	Tuesday....20	Wednesday.20	Thursday...20	Friday.....20
SUNDAY..21	Monday....21	Tuesday....21	Wednesday.21	Thursday...21	Friday.....21	Saturday...21
Monday....22	Tuesday....22	Wednesday.22	Thursday...22	Friday.....22	Saturday...22	SUNDAY..22
Tuesday....23	Wednesday.23	Thursday...23	Friday.....23	Saturday...23	SUNDAY..23	Monday....23
Wednesday.24	Thursday...24	Friday.....24	Saturday...24	SUNDAY..24	Monday....24	Tuesday....24
Thursday...25	Friday.....25	Saturday...25	SUNDAY..25	Monday....25	Tuesday....25	Wednesday.25
Friday.....26	Saturday...26	SUNDAY..26	Monday....26	Tuesday....26	Wednesday.26	Thursday...26
Saturday...27	SUNDAY..27	Monday....27	Tuesday....27	Wednesday.27	Thursday...27	Friday.....27
SUNDAY..28	Monday....28	Tuesday....28	Wednesday.28	Thursday...28	Friday.....28	Saturday...28
Monday....29	Tuesday....29	Wednesday.29	Thursday...29	Friday.....29	Saturday...29	SUNDAY..29
Tuesday....30	Wednesday.30	Thursday...30	Friday.....30	Saturday...30	SUNDAY..30	Monday....30
Wednesday.31	Thursday...31	Friday.....31	Saturday...31	SUNDAY..31	Monday....31	Tuesday....31

NOTE.—To ascertain any day of the week, first look in the table for the year required, and under the months are figures which refer to the corresponding figures at the head of the columns of the days below. For Example:—To know on what day of the week July 4, 1918 fell, look in the table of years for 1918, and in a parallel line under July is figure 1, which directs to column 1 in which it will be seen that July 4 fell on Thursday.

PRINCIPAL HOLIDAYS

January 1. New Year's Day.

January 8. Anniversary of the Battle of New Orleans: In Louisiana.

January 19. Lee's Birthday: In Fla., Ga., N. C., S. C., Va., Ala., Miss. and Ark.

February 12. Georgia Day: In Georgia.

February 12. Lincoln's Birthday: In Calif., Colo., Ct., Del., Ill., Ia., Ind., Kansas, Kentucky, Mich., Minn., Mon., Nebraska, Nevada, N. J., N. Y., N. Dakota, Oregon, Penn., S. Dakota, Utah, Wash., W. Va., Wyo.

February 14. Admission Day: In Arizona.

February 22. Washington's Birthday.

March 2. Anniversary of Texan Independence: In Texas.

March 17. St. Patrick's Day.

March 25. Maryland Day: In Maryland.

March 30. Seward Day: In Alaska.

April (First Monday). Annual Spring Election: In Michigan.

April 12. Halifax Independence Resolutions: In North Carolina.

April 13. Thomas Jefferson's Birthday: In Alabama.

April 19. Patriot's Day: In Maine and Massachusetts.

April 21. Anniversary of the Battle of San Jacinto: In Texas.

April 26. Confederate Memorial Day: In Alabama, Florida, Georgia, Mississippi and Virginia.

May 10. Confederate Memorial Day: In North Carolina and South Carolina.

May (Second Friday). Confederate Day: In Tennessee.

May 24. Victoria Day: In Canada.

May 20. Anniversary of the Signing of the Mecklenburg Declaration of Independence: In North Carolina and Kentucky.

May 30. Decoration Day: In all the States (D. of C., Puerto Rico, Hawaii), except Alaska, Arkansas, Florida, Louisiana, Mississippi, North Carolina, South Carolina and Texas.

June 3. Jefferson Davis's Birthday: In Arkansas, Fla., Ga., Ala., Miss., Texas, S. C. and Virginia. In La., known as "Confederate Memorial Day".

June (Last Wednesday). Primary Election Day: In North Dakota.

July 1. Dominion Day: In Canada.

July 4. Independence Day.

July 10. Admission Day: In Wyoming.

July 24. Pioneers' Day: In Utah.

July (Fourth Saturday). Primary Election Day: In Texas.

August. Primary Election Day: In Missouri. In Michigan (last Tuesday in August preceding every general November election.

August 1. Colorado Day: In Colorado.

August 16. Bennington Battle Day: In Vermont.

1st Monday in Sept. Labor Day.

September. Primary Election Day: In Nevada, Wisconsin, First Tuesday.

Sept. 9. Admission Day: In California.

September 12. "Old Defenders' Day: In Baltimore, Md.

October 12. Columbus Day: In Alabama, Arizona, Ark., Calif., Colo., Conn., Del., Idaho, Ill., Ind., Kansas, Ky., Maryland, Mass., Mich., Mo., Montana, Nebraska, Nevada, New Hampshire, N. J., New Mexico, N. Y., Ohio, Okla., Oregon, Penn., Puerto Rico, R. I., Texas, Vt., Wash., West Virginia.

October 31. Admission Day: In Nevada.

Nov. 1. All Saints' Day: In Louisiana.

November. General Election Day: In Alabama, Alaska, Arizona, California, Colorado, Delaware, Florida, Idaho, Illinois, Indiana, Iowa, Louisiana, Maryland, Michigan, Minnesota, Missouri, Montana, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio (from 12 M. to 5.30 P. M. only), Oklahoma, Oregon, Pennsylvania, Porto Rico, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Virginia, West Virginia, Washington, Wisconsin and Wyoming, in the years when elections are held therein. First Tuesday after First Monday.

November. Thanksgiving Day: (usually the 4th Thursday in November): Is observed in all the States, and in the District of Columbia, Puerto Rico, Hawaii and Alaska.

December 25. Christmas Day.

There are no statutory holidays in Mississippi, but by Common consent the Fourth of July, Thanksgiving and Christmas are observed. In New Mexico, Washington's Birthday, Decoration Day, Labor Day, Flag Day (June 14), and Arbor Day are holidays, when so designated by the Governor. In South Carolina, Thursday of Fair Week is a legal holiday.

Arbor Day is observed by the States on different days, usually in the Spring; in Georgia, in December. The dates in the same States often vary from year to year by proclamation.

Mother's Day is observed on the second Sunday in May.

Father's Day is observed on the third Sunday in June.

Saturday Afternoon is a holiday in many of the States and Cities and in the District of Columbia. Sundays are statutory holidays in Canada.

When a Legal Holiday falls on a Sunday, the following day is generally observed.

HANDY FACTS TO KNOW

To find diameter of a circle multiply circumference by .31831.

To find the circumference of a circle multiply diameter by 3.1416.

To find area of a circle multiply square of diameter by .7854.

To find surface of a ball multiply square of diameter by 3.1416.

To find side of an equal square multiply diameter by .8862.

To find cubic inches in a ball multiply cube of diameter by .5236.

Doubling the diameter of a pipe increases its capacity four times.

Double riveting is from 16 to 20 per cent stronger than single.

One cubic foot of anthracite coal weighs about 53 pounds.

One cubic foot of bituminous coal weighs from 47 to 50 pounds.

One ton of coal is equivalent to two cords of wood for steam purposes.

A gallon of water (U. S. Standard) weighs 8⅓ pounds and contains 231 cubic inches.

A cubic foot of water contains 7½ gallons, 1,728 cubic inches, and weighs 62½ pounds.

Each nominal horse power of a boiler requires 30 to 35 pounds of water per hour.

To sharpen dull files lay them in dilute sulphuric acid until they are eaten deep enough.

A horse power is equivalent to raising 33,000 pounds one foot per minute, or 550 pounds one foot per second.

The average consumption of coal for steam boilers is 12 pounds per hour for each square foot of grate surface.

To find the pressure in pounds per square inch of a column of water multiply the height of the column in feet by .434.

Steam rising from water at its boiling point (212 degrees) has a pressure equal to the atmosphere (14.7 pounds to the square inch).

To evaporate one cubic foot of water requires the consumption of 7½ pounds of ordinary coal, or about 1 pound of coal to 1 gallon of water.

LUMBER TABLE

Size in Inches	LENGTHS IN FEET							
	10	12	13	14	16	18	20	22
1 x 2	1⅔	2	2⅙	2⅓	2⅔	3	3⅓	3⅔
1 x 3	2½	3	3¼	3½	4	4½	5	5½
1 x 3½	2 11/12	3½	3 9/24	4 1/12	4⅔	5¼	5⅚	6 5/12
1 x 4	3⅓	4	4⅓	4⅔	5⅓	6	6⅔	7⅓
1 x 5	4⅙	5	5 5/12	5⅚	6⅔	7½	8⅓	9⅙
1 x 6	5	6	6½	7	8	9	10	11
1 x 8	6⅔	8	8⅔	9⅓	10⅔	12	13⅓	14⅔
1 x 9	7½	9	9¾	10½	12	13½	15	16½
1 x10	8⅓	10	10⅚	11⅔	13⅓	15	16⅔	18⅓
1 x12	10	12	13	14	16	18	20	22
1 x13	10⅚	13	14 1/12	15⅙	17⅓	19½	21⅔	23⅚
1 x14	11⅔	14	15⅙	16⅓	18⅔	21	23⅓	25⅔
5/4 x 3	3⅛	3¾	4 1/16	4⅜	5	5⅝	6¼	6⅞
5/4 x 4	4 1/16	5	5 1/12	5⅝	6⅜	7½	8⅓	9⅛
5/4 x 5	5 5/24	6¼	6 7/16	7 7/24	8⅓	9⅜	10 5/12	11 1/24
5/4 x 6	6¼	7½	8⅛	8¾	10	11¼	12½	13¾
5/4 x 8	8⅓	10	10⅜	11⅔	13⅓	15	16⅔	18⅓
5/4 x 9	9⅜	11¼	12 5/16	13⅛	15	16⅞	18¾	20⅝
5/4 x10	10 5/12	12½	13 3/24	14 7/12	16⅔	18¾	20 5/6	22 1/12
5/4 x12	12½	15	16¼	17½	20	22½	25	27½
2 x 3	5	6	6½	7	8	9	10	11
2 x 4	6⅔	8	8⅔	9⅓	10⅔	12	13⅓	14⅔
2 x 9	15	18	19½	21	24	27	30	33
2 x10	16⅔	20	21⅔	23⅓	26⅔	30	33⅓	36⅔
4 x 4	13⅓	16	17⅓	18⅔	21⅓	24	26⅔	29⅓
5 x 5	20⅚	25	27 1/12	29⅙	33⅓	37½	41⅔	45⅚
6 x 6	30	36	39	42	48	54	60	66
8 x 8	53⅓	64	69⅓	74⅔	85⅓	96	106⅔	117⅓
8 x10	66⅔	80	86⅔	93⅓	106⅔	120	133⅓	146⅔

MISCELLANEOUS DATA

196 Pounds Flour .....Make 1 Barrel
200 Pounds Beef or Pork....Make 1 Barrel
135 Pounds of Potatoes .....Make 1 Barrel
135 Pounds of Apples .....Make 1 Barrel
280 Pounds of Salt .....Make 1 Barrel
350 Pounds of Sugar .....Make 1 Barrel
100 Pounds Nails .....Make a Keg
2150.42 Cubic Inches .....Make 1 Bushel
231 Cubic Inches .....Make 1 Gallon
43,560 Square Feet .....Make 1 Acre
5,280 Feet .....Make 1 Mile
128 Cubic Feet .....Make a Cord
1 Gallon Water .....About 8-1/3 Pounds
1 Gallon Milk .....About 8-3/5 Pounds
1 Gallon Kerosene .....About 6½ Pounds
1 Cubic Foot Water.....About 62½ Pounds
⅓ Inch equals 1 size in measuring boots and shoes.

4 Inches equals 1 hand in measuring horses.
1 Link equals 7.92 inches.
1 Rod equals 25 links, 16½ feet.
1 Chain equals 4 rods, 66 feet.
1 Mile equals 80 chains, 5280 feet.
Wall paper is usually 18 inches wide.
A single roll is 24 feet long.
A double roll is 48 feet long.
A lath is 4 feet long and 1½ inches wide.
Builders calculate that a bunch of laths will cover 3 sq. yds.
1000 Shingles, applied 4 in. to weather cover about 100 sq. ft.
1000 Shingles require about 5 pounds shingle nails.
20 Yards of surface will require about 1000 laths.
1000 Laths will require about 11 pounds of lath nails.

THE READY REFERENCE FISHING CALENDAR FOR 1958

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	M am	E am	E am	E am	M am	M pm	E pm	E pm	B pm	M pm	E pm	B pm	1
2	E am	E am	E am	E am	M am	M pm	E pm	E pm	B pm	M pm	E pm	B pm	2
3	M am	M am	M am	M pm	E pm	E pm	E pm	E pm	M pm	B pm	E pm	M am	3
4	M am	M pm	M am	M pm	E pm	E pm	E pm	B pm	M pm	B am	B am	M am	4
5	E pm	E pm	E pm	E pm	M pm	E pm	E pm	B pm	B pm	E am	B am	B am	5
6	E pm	E pm	E pm	E pm	M pm	E pm	E pm	B pm	B am	E am	M am	B am	6
7	M pm	M pm	M pm	B pm	M pm	E pm	E pm	M am	B am	B am	M am	E am	7
8	M pm	B pm	M pm	B pm	M pm	E pm	B am	M am	E am	B am	B am	M am	8
9	M pm	E pm	E pm	M pm	E pm	E am	B am	B am	E am	B am	B am	M am	9
10	M pm	E am	E pm	M am	E am	B am	M am	B am	B am	B am	M am	B pm	10
11	B pm	E am	B pm	M am	E am	B am	M am	E am	B am	B am	M pm	B pm	11
12	B am	B am	B am	E am	E am	B am	M am	E am	B am	B pm	B pm	B pm	12
13	E am	B am	M am	E am	E am	M am	B am	E am	B pm	B pm	B pm	M pm	13
14	E am	M am	M am	E am	B am	M am	B am	B pm	B pm	M pm	M pm	E pm	14
15	B am	M am	E am	E am	B am	B am	E am	B pm	B pm	E pm	M pm	E pm	15
16	B am	M am	E am	E am	B am	B am	E pm	B pm	E pm	B pm	E pm	E pm	16
17	B am	M am	E am	B am	B am	B pm	B pm	M pm	E pm	B pm	E am	E am	17
18	B am	M pm	E am	B pm	B pm	E pm	B pm	B pm	B pm	M pm	E am	B am	18
19	B pm	E pm	E am	B pm	B pm	E pm	M pm	B pm	M am	M am	E am	B am	19
20	M pm	E pm	B pm	B pm	B pm	B pm	M pm	E pm	M am	E am	E am	B am	20
21	M pm	B pm	B pm	M pm	E pm	B pm	B pm	E am	M am	E am	B am	M am	21
22	E pm	B pm	B pm	B pm	E pm	M pm	B pm	B am	M am	E am	B am	E am	22
23	E pm	B pm	M pm	B pm	E pm	M pm	B am	B am	E am	E am	M am	M am	23
24	E pm	M pm	M pm	E pm	B pm	B am	E am	M am	E am	E am	E am	M am	24
25	B pm	M pm	M pm	E pm	B am	B am	E am	E am	E am	M am	E am	B pm	25
26	B pm	B am	B pm	B am	M am	E am	B am	E am	E am	M am	M pm	E pm	26
27	M am	B am	B pm	B am	M am	E am	M am	E am	E pm	E pm	M pm	E pm	27
28	M am	B am	E am	B am	B am	M am	E am	E pm	M pm	E pm	M pm	E pm	28
29	M am		E am	M am	M am	M am	E am	E pm	E pm	E pm	E pm	B pm	29
30	B am		B am	E am	E am	M am	E pm	E pm	E pm	M pm	E pm	M pm	30
31	B am		B am		E am		E pm	B pm		B pm		M pm	31

Note: E is Excellent Fishing; M is Medium Good; B is Bad Fishing; am and pm give the time of day when fishing is best, other conditions being favorable.

POSTAL INFORMATION

(Based on laws in effect as of January 1, 1957)

First Class (limit same as PP) Letters, sealed matter, 3c each oz. Postal cards, 2c each.

AIR SERVICE Air Mail — 6c each oz. Postal cards 4c. each. Matter exceeding 8 ozs. is subject to following zone rates. AIR PARCEL POST (LIMIT 70 LBS.)

AIR PARCEL POST RATES

Zones	1st lb.	Each add'l lb.
1-2-3 (to 300 miles).....	.60	.48
4 (300-600 miles)	.65	.50
5 (600-1000 miles)	.70	.56
6 1000-1400 miles)	.75	.64
7 (1400-1800 miles)	.75	.72
8 (over 1800 miles)	.80	.80

These air rates are applicable to Alaska, Hawai'i, Puerto Rico, Virgin Islands, Canton Islands, Canal Zone, Guam. Air Parcel Post to Army or Fleet Post offices goes at zone 8 rates any place in the world.

SURFACE SERVICE. Second Class (no weight limit) Newspapers, magazines, periodicals, containing notice of second-class entry. 2c for first 2 ozs. and 1c for each additional 2 ozs. or fourth-class rate, whichever is lower.

Third Class (limit 8 ounces) Miscellaneous printed matter, merchandise, 2c for the first 2 ozs. and 1c for each additional oz.

Books (including catalogs) of 24 pages or more (at least 22 of which are printed), seeds, and plants, 2c for the first 2 ozs. and 1½c for each additional 2 ozs. or fraction.

Identical pieces of third-class matter may be mailed under permit in bulk lots of not less than either 20 pounds or 200 pieces, at the rate of 1¢ cents a pound, in case of miscellaneous printed matter, and merchandise, and 10 cents a pound, in the case of books or catalogs having 24 pages or more, seeds, plants, etc., with a minimum charge of 1½c a piece in either case. Bulk mailing permit fee is $10 per year. Minimum charge for pieces of odd size, 3 cents.

Fourth class or Parcel Post (over 8 ounces)
Limit of weight and size: Parcels mailed at a first class post office for delivery at another first class post office in Continental United States—40 pounds, local, first and second zones; 20 pounds third through eighth zones. Not over 72 inches length and girth combined. Parcels mailed at, or addressed for delivery to any second, third or fourth-class post office or to or from any territory or possession of the United States — 70 pounds. Not over 100 inches length and girth combined.

Merchandise, books, printed matter, and all other mailable matter not in first or second class. Fourth-class matter may be sealed.

PARCEL POST RATES

Zones	First lb. (Cents)	Add'l lbs. (Cents)
Local	.18	1.45
1 and 2	.23	3.95
3	.23	5.15
4	.24	6.9
5	.26	9.25
6	.28	11.95
7	.30	15.2
8	.32	18.05

Special rates for books of 24 pages or more, at least 22 of which are printed (limit 70 pounds). Books (containing no advertising matter other than incidental announcements of books) 8 cents for the first pound and 4 cents for each additional pound. Books sent to readers by libraries authorized to mail at the special library rate and when returned by such readers, 4 cents for the first pound and 1 cent for each additional pound.

Special-delivery fees (all classes of mail including air mail)

	First class	2nd, 3rd or 4th class
Up to 2 lbs.	20c	35c
Over 2 lbs. up to 10 lbs.	35c	45c
Over 10 lbs.	50c	60c

Special handling — Fourth-class matter only: Parcels endorsed "Special handling," practicable (but not special delivery) upon payment, in addition to the regular postage, of the following charge:

Up to 2 lbs.	15c
Over 2 lbs. — up to 10 lbs.....	20c
Over 10 lbs.	25c

Certified Mail Provides for a receipt to the sender and a record of delivery at the office of address. No record is kept at the office where mailed. It is handled in the ordinary mails and no insurance coverage is provided.

Class of Mail to Which Applicable. Any mailable matter of no intrinsic value on which postage at the first-class rate has been paid will be accepted as certified mail. This does not exclude articles of a nonnegotiable character and other matter which would involve a cost of duplication if lost or destroyed. The mail may be sent by air on payment of the required postage. Return receipt service requested at the time of mailing only, and special delivery service are available on payment of the prescribed fees.

FEE IN ADDITION TO POSTAGE.....	15 cents
RETURN RECEIPTS:	
Showing to whom and when delivered...	7 cents
Showing to whom, when and address where delivered	31 cents
RESTRICTED DELIVERY	20 cents
INQUIRY FEE	10 cents

Registered mail Fees for indemnity limited to:

$ .01 to $ 5...	$ .40	$300.01 to $400...	$1.15
$ 5.01 to $ 25...	.55	$400.01 to $500...	1.25
$ 25.01 to $ 50...	.65	$500.01 to $600...	1.35
$ 50.01 to $ 75...	.75	$600.01 to $700...	1.45
$ 75.01 to $100...	.85	$700.01 to $800...	1.55
$100.01 to $200...	.95	$800.01 to $900...	1.65
$200.01 to $300...	1.05	$900.01 to $1,000..	1.75

Insured mail (third and fourth classes) Fees for indemnity limited to:

$ .01 to $10.....10c	$ 25.01 to $ 50.....20c
$10.01 to $25.....15c	$ 50.01 to $100.....30c
	$100.01 to $200.....35c

C.O.D. mail—Unregistered (third and fourth classes and sealed matter of any class bearing postage at the first-class rate)
Fees for collections and indemnity limited to:

$ .01 to $ 5.....30c	$ 25.01 to $ 50.....70c
$ 5.01 to $10.....40c	$ 50.01 to $100.....80c
$10.01 to $25.....60c	$100.01 to $150.....90c

RESTRICTED DELIVERY	20 cents
RETURN RECEIPTS REQUESTED AT TIME OF MAILING:	
Showing to whom and when delivered..	7 cents
Showing to whom, when and address where delivered	31 cents
REQUESTED AFTER MAILING:	
Showing to whom and when delivered....	15 cents

Money orders (limit $100 each)
Fees for orders from —

$0.01 to $ 5.....10c	$10.01 to $ 50.....25c
$5.01 to $10.....15c	$50.01 to $100.....35c

FOREIGN POSTAGE Letters: 8c for the first oz. and 4c for each add'l oz. Canada & Mexico 3c per oz. Post cards: 4c ea. Printed matter: 2c for first 2 oz. and 1½c for each add'l 2 ozs. or fraction thereof. For detailed information inquire at P. O.

Population of the United States — 1950 Census

United States. 150,697,361

By division and States;

New England:

Maine 913,774
New Hampshire. 533,242
Vermont 377,747
Massachusetts ..4,690,514
Rhode Island... 791,896
Connecticut 2,007,280

Middle Atlantic

New York 14,830,192
New Jersey 4,835,329
Pennsylvania ..10,498,012

East North Central

Ohio 7,946,627
Indiana 3,934,224
Illinois 8,712,176
Michigan 6,371,766
Wisconsin 3,434,575

West North Central

Minnesota 2,982,483
Iowa 2,621,073
Missouri 3,954,653
North Dakota .. 619,636
South Dakota .. 652,740
Nebraska 1,325,510
Kansas 1,905,299

South Atlantic

Delaware 318,085
Maryland 2,343,001
Dis. of Columbia 802,178
Virginia 3,318,680
West Virginia ..2,005,552
North Carolina..4,061,929
South Carolina..2,117,027
Georgia 3,444,578
Florida 2,771,305

East South Central

Kentucky 2,944,806
Tennessee 3,291,718
Alabama 3,061,743
Mississippi 2,178,914

West South Central

Arkansas 1,909,511
Louisiana 2,683,516
Oklahoma 2,233,351
Texas 7,711,194

Mountain

Montana 591,024
Idaho 588,637
Wyoming 290,529
Colorado 1,325,089
New Mexico 681,187
Arizona 749,587
Utah 688,862
Nevada 160,083

Pacific

Washington 2,378,963
Oregon 1,521,341
California 10,586,223

Urban Places of* 25,000 *and over;

Abilene, Texas .. 45,570
Akron, Ohio 274,605
Alameda, Calif. .. 64,430
Albany, Ga. 31,155
Albany, N. Y. ...134,995
Albuquerque, N.M. 96.815
Alexandria, La. .. 34,913
Alexandria, Va. .. 61,738
Alhambra, Calif... 51,359
Aliquippa, Pa. ... 26,132
Allentown, Pa. ...106,756
Alliance, Ohio ... 26,161
Alton, Ill. 32,250
Altoona, Pa. 71,177
Amarillo, Texas... 74,246
Amsterdam, N.Y.. 32,240
Anderson, Ind. ... 46,820
Ann Arbor, Mich.. 48,251
Anniston, Ala. ... 31,066
Appleton, Wisc... 34,010
Arlington, Mass.. 44,353
Asheville, N.C.... 53,000
Ashland, Kentucky 31,131
Athens, Georgia.. 28,180
Atlanta, Ga. 331,314
Atlantic City, N.J. 61,657
Auburn, N. Y..... 36,722
Augusta, Ga. 71,508
Aurora, Ill. 50,576
Austin, Texas 132,459
Bakersfield, Calif.. 34,784
Baltimore, Md. .949,708
Bangor, Maine ... 31,558
Barberton, Ohio .. 27,820
Baton Rouge, La..125,629
Battle Crk., Mich.. 48,666
Bay City, Mich... 52,523
Bayonne, N. J..... 77,203
Beaumont, Texas.. 94,014
Belleville, Ill. 32,721
Belleville, N. J... 32,019
Bellingham, Wash. 34,112
Belmont, Mass.... 27,381
Beloit, Wisc. 29,590
Berkeley, Calif....113,805
Berwyn, Ill. 51,280
Bessemer, Ala. ... 28,445
Bethlehem, Pa. ... 66,340
Beverly, Mass. ... 28,884
Beverly Hills, Cal. 29,032
Billings, Montana. 31,834
Biloxi, Miss. 37,425
Binghamton, N.Y.. 80,674
Birmingham, Ala. 326,037
Bloomfield, N. J... 49,307
Bloomington, Ill... 34,163
Bloomington, Ind.. 28,163
Boise City, Idaho. 34,393
Boston, Mass. 801,444
Bremerton, Wash.. 27,678
Bridgeport, Conn..158,709
Bristol, Conn. ... 35,961
Brookline, Mass... 57,589
Brockton, Mass. .. 62,860
Brownsville, Tex.. 36,066
Buffalo, N. Y.....580,132
Burbank, Calif... 78,577
Burlington, Iowa. 30,613
Burlington, Vt. .. 33,155
Butte, Montana .. 33,251
Cambridge, Mass..120,740
Camden, N. J.....124,555
Canton, Ohio 116,912
Cedar Rapids, Ia. 72,296
Champaign, Ill... 39,563
Charlotte, N. C...134,042
Charl'tesville, Va. 25,969
Charleston, S. C... 70,174
Charleston, W.Va.. 73,501
Chattanooga, Tenn.131,041
Chelsea, Mass. ... 38,912
Chester, Pa. 66,039
Cheyenne, Wyo. .. 31,935
Chicago, Ill. ...3,620,962
Chicopee, Mass. .. 49,211
Cicero, Ill. 67,544
Cincinnati, Ohio ..503,998
Clarksburg, W.Va. 32,014
Cleveland, Ohio ..914,808
Cleveland Hts., O. 59,141
Clifton, N. J..... 64,511
Clinton, Iowa ... 30,379
Colo. Spr's., Colo.. 45,472
Columbia, Mo. ... 31,994
Columbia, S. C.... 86,914
Columbus, Ga. ... 79,611
Columbus, Ohio...375,901
Compton, Calif.... 47,991
Concord, N. H.... 27,988
Corp's Christi, T..108,287
Cncl. Bluffs, Iowa 45,429
Covington, Ky.... 64,452
Cranston, R. I. ... 55,060
Cumberland, Md.. 37,679
Cuyahoga Fls, N.Y. 29,195
Dallas, Texas ...434,462
Danville, Ill. 37,864
Danville, Va. 35,066
Davenport, Iowa .. 74,549
Dayton, Ohio 243,872
Daytona Bch., Fla. 30,187
Dearborn, Mich... 94,994
Decatur, Ill. 66,269
Denver, Colo. 415,786
Des Moines, Iowa.177,965
Detroit, Mich. ..1,849,568
Dubuque, Iowa .. 49,671
Duluth, Minn. ...104,511
Durham, N. C.... 71,311
E. B'k'sf'ld, Cal.. 38,177
E. Chicago, Ind... 54,263
E. Cleveland, O... 40,047
Easton, Pa. 35,632
E. Hartford, Conn. 29,933
East Orange, N.J.. 79,340
E. Providence, R.I. 35,871
E. St. Louis, Ill... 82,295
Eau Claire, Wisc.. 36,058
Elgin, Ill. 44,223
Elizabeth, N. J....112,817
Elkhart, Ind. 35,646
Elmira, N. Y. ... 49,716
El Paso, Texas ...130,485
Elyria, Ohio 30,307
Enid, Okla. 36,017
Erie, Pa. 130,803
Euclid, Ohio 41,396
Eugene, Oregon .. 35,879
Evanston, Ill. 73,641
Evansville, Ind. ..128,636
Everett, Mass. ... 45,982
Everett, Wash. ... 33,849
Fairfield, Conn. .. 30,489
Fairmont, W. Va.. 29,346
Fall River, Mass..111,963
Fargo, N. Dakota. 38,256
Fayetteville, N.C.. 34,915
Ferndale, Mich.... 29,670
Fitchburg, Mass... 42,691
Flint, Mich.....163,143
Fond du Lac, Wis. 29,936
Fort Dodge, Iowa. 25,115
Ft. Laud'd'l, Fla.. 36,328
Fort Smith, Ark... 47,942
Fort Wayne, Ind..133,607
Fort Worth, Tex..278,778
Framing'am, Mass. 28,086
Fresno, Calif. ... 91,669
Gadsden, Ala. 55,725
Gainesville, Fla... 26,861
Galesburg, Ill. ... 31,425
Galveston, Texas.. 66,568
Garfield, N. J. ... 27,550
Gary, Indiana ...133,911
Glendale, Calif. .. 95,702
Gloucester, Mass.. 25,167
Grand Forks, N.D. 26,836
Grd. Rpds., Mich..176,515
Granite City, Ill.. 29,465
Grt. Falls, Mont.. 39,214
Green Bay, Wisc.. 52,735
Greensboro, N. C.. 74,389
Greenville, Miss... 29,936
Greenwich, Conn.. 40,835
Greenville, S. C.. 58,161
Hackensack, N. J.. 29,219
Hagerstown, Md.. 36,260
Hamden, Conn. .. 29,715
Hamilton, N. J... 41,156
Hamilton, Ohio .. 57,951
Hammond, Ind. .. 87,594
Hamtramck, Mich. 43,355
Harrisburg, Pa. .. 89,544
Hartford, Conn. ..177,397
Hattiesb'g, Miss.. 29,474
Haverhill, Mass... 47,280
Hazleton, Pa. 35,491
Hempstead, N. Y.. 29,135
Hi'l'd Park, Mich. 46,393
High Point, N.C.. 39,973
Hoboken, N. J.... 50,676
Holyoke, Mass. ... 54,661
Hot Springs, Ark.. 29,307
Houston, Texas ..596,163
H't'gt'n Pk., Cal.. 29,450
Huntington, W.Va. 86,353
Hutchinson, Kan.. 33,575
Independ'ce, Mo... 39,963
Indianapolis, Ind..427,173
Inglewood, Calif... 46,185
Iowa City, Iowa.. 27,212
Irvington, N. J.... 59,201
Ithaca, N. Y..... 29,257
Jackson, Mich. ... 51,088
Jackson, Miss. ... 98,271
Jackson, Tenn. ... 30,207
Jacksonville, Fla..204,517
Jamestown, N. Y.. 43,354
Jefferson City, Mo. 25,099
Jersey City, N. J..299,017
J'ns'n City, Tenn.. 27,778
Johnstown, Pa. ... 63,232
Joliet, Ill. 51,601
Joplin, Mo. 38,711
Kalamazoo, Mich.. 57,704
Kankakee, Ill. ... 25,856
Kannapolis, N. C.. 28,448
Kansas City, Kan..129,553
Kansas City, Mo..456,622
Kearny, N. J. 39,952
Kenosha, Wisc. .. 54,368
Key West, Fla. .. 26,433
Kingston, N. Y... 28,817
Knoxville, Tenn...124,769
Kokomo, Indiana.. 38,672

1950 Census — *Continued*

Lackawanna, N.Y.. 27,658
La Crosse, Wisc.. 47,535
Lafayette, Ind. ... 35,568
Lafayette, La. ... 33,541
La Grange, Ga. .. 25,025
Lake Charles, La.. 41,272
Lakeland, Fla. ... 30,851
Lakewood, Ohio .. 68,071
Lancaster, Pa. ... 63,774
Lansing, Mich. .. 92,129
Laredo, Texas 51,910
Laurel, Miss. 25,038
Lawrence, Mass... 80,536
Lawton, Okla. 34,757
Lebanon, Pa. 28,134
Lewiston, Maine .. 40,974
Lexington, Ky. .. 55,534
Lima, Ohio 50,246
Lincoln, Nebr. ... 98,884
Lincoln Pk., Mich. 29,310
Linden, N. J..... 30,644
Little Rock, Ark..102,213
Lockport, N. Y.... 25,133
Long Bch., Cal. ..250,767
Lorain, Ohio 51,202
Los Ang., Cal...1,970,358
Louisville, Ky. ..369,129
Lowell, Mass. 97,249
Lubbock, Texas .. 71,747
Lynchburg, Va. .. 47,727
Lynn, Mass. 99,738
Lynwood, Cal. ... 25,823
Macon, Ga. 70,252
Madison, Wis. ... 96,056
Malden, Mass. ... 59,804
Manchester, Conn.. 34,116
Manchester, N. H. 82,732
Manitowoc, Wisc.. 27,598
Mansfield, Ohio .. 43,564
Maplewood, N. J.. 25,201
Marion, Indiana .. 30,081
Marion, Ohio 33,817
Mason City, Iowa. 27,980
Massillon, Ohio.. 29,594
Maywood, Ill. ... 27,473
McKeesport, Pa... 51,502
Medford, Mass. .. 66,113
Melrose, Mass.... 26,988
Memphis, Tenn...396,000
Meriden, Conn. ... 44,088
Meridian, Miss... 41,893
Miami, Fla. 249,276
Miami Bch., Fla.. 46,282
Mich. City, Ind... 28,395
Middletown, Conn.. 29,711
Middletown, Ohio. 33,695
Milford, Conn.... 26,870
Milwaukee, Wisc..637,392
Min'apolis, Minn..521,718
Mishawaka, Ind... 32,913
Mobile, Ala. 129,009
Moline, Ill. 37,397
Monroe, La. 38,572
Montclair, N. J... 43,927
Montgomery, Ala..106,525
Morg'ntown, W.Va. 25,525
Mt. Vernon, N. Y. 71,899
Muncie, Ind..... 58,479
Muskegon, Mich... 48,429
Muskogee, Okla... 37,289

Nashua, N. H.... 34,669
Nashville, Tenn...174,307
New Albany, Ind. 29,346
Newark, N. J.....438,776
Newark, Ohio 34,275
New B'df'd, Mass..109,189
New Britain, Conn. 73,726
New B'nsw'k, N.J. 38,811
Newburgh, N. Y... 31,956
New Castle, Pa... 48,834
New Haven, Conn..164,443
New K's'gt'n, Pa.. 25,146
New London, Conn. 30,551
New Orleans, La..570,445
Newport, Ky. 31,044
Newport, R. I. ... 37,564
N'p't News, Va... 42,358
New R'ch'l, N. Y.. 59,725
Newton, Mass. ... 81,994
N. Y. C., N. Y..7,891,957
N'g'ra Fls., N. Y.. 90,872
Norfolk, Va. 213,513
Norman, Okla. .. 27,006
Norristown, Pa. .. 38,126
Nor'h'pt'n, Mass. . 29,063
N. Bergen, N. J.. 41,560
N. Lit. Rk., Ark.. 44,097
Norwalk, Conn. ... 49,460
Norwood, Ohio 35,001
Nutley, N. J..... 26,992
Oakland, Calif. ..384,575
Oak Park, Ill.... 63,529
Oak Ridge, Tenn.. 30,229
Odessa, Texas ... 29,495
Ogden, Utah 57,112
Okla. City, Okla..243,504
Omaha, Nebr. ...251,117
Orange, N. J. 38,037
Orlando, Fla. 52,367
Oshkosh, Wisc. ... 41,084
Ottumwa, Iowa ... 31,570
Owensboro, Ky. ...33,651
Paducah, Ky. 32,828
Palo Alto, Calif... 25,475
Panama City, Fla. 25,814
P'k'sb'g, W. Va... 29,684
Parma, Ohio 28,897
Pasadena, Calif. ..104,577
Passaic, N. J..... 57,702
Paterson, N. J.....139,336
Pawtucket, R. I... 81,436
Pensacola, Fla. .. 43,479
Peoria, Ill. 111,856
P'th Amb'y, N.J.. 41,330
Petersburg, Va... 35,054
Phila., Pa. 2,071,605
Phoenix, Ariz.....106,818
Pine Bluff, Ark... 37,162
Pittsburgh, Pa. ..676,806
Pittsfield, Mass... 53,348
Plainfield, N. J... 42,366
Pocatello, Idaho .. 26,131
Pomona, Calif. ... 35,405
Pontiac, Mich. ... 73,681
Port Arthur, Tex.. 57,530
Pt. Huron, Mich.. 35,725
Portland, Maine .. 77,634
Portland, Oregon .373,628
Portsmouth, Ohio. 36,798
Portsmouth, Va... 80,039

Poughk'psie, N. Y. 41,023
Providence, R. I...248,674
Provo, Utah 28,937
Pueblo, Colo. 63,685
Quincy, Ill. 41,450
Quincy, Mass. 83,835
Racine, Wisc. 71,193
Raleigh, N. C. ... 65,679
Rapid City, S.D.. 25,310
Reading, Pa. 109,320
Red'do Bch., Cal.. 25,226
Redw'd City, Cal.. 25,544
Reno, Nevada ... 32,497
Revere, Mass. 36,763
Richmond, Cal.... 99,545
Richmond, Ind. ... 39,539
Richmond, Va. ...230,310
Riverside, Calif... 46,764
Roanoke, Va. 91,921
Rochester, Minn... 29,885
Rochester, N. Y..332,488
Rockford, Ill. 92,927
Rock Island, Ill... 48,710
R'ky Mt., N. C... 27,697
Rome, Ga. 29,615
Rome, N. Y. 41,682
Roswell, N. Mex.. 25,738
Royal Oak, Mich.. 46,898
Sacramento, Cal..137,572
Saginaw, Mich. .. 92,918
St. Cloud, Minn.. 28,410
St. Joseph, Mo.... 78,588
St. Louis, Mo.....856,796
St. Paul, Minn...311,349
St. P't'sb'g, Fla... 96,738
Salem, Mass. 41,880
Salem, Oregon ... 43,140
Salina, Kansas ... 26,176
S'lt Lk. City, U...182,121
San Angelo, Tex... 52,093
San Antonio, Tex..408,442
San Bern'd'o, Cal. 63,058
San Diego, Cal. ..334,387
Sandusky, Ohio .. 29,375
San Fr'nc'co, Cal..775,357
San Jose, Calif... 95,280
San Leandro, Cal.. 27,542
San Mateo, Calif.. 41,782
Santa Ana, Calif.. 45,533
Santa B'b'ra, Cal. 44,913
Santa Fe, N. M... 27,998
Santa M'ica, Cal.. 71,595
Savannah, Ga. ...119,638
Schenectady, N.Y.. 91,785
Scranton, Pa. ...125,536
Seattle, Wash. ..467,591
Shaker Heights, O. 28,222
Sharon, Pa. 26,454
Sheboygan, Wisc.. 42,365
Shreveport, La. ..127,206
Sioux City, Iowa.. 83,991
Sioux Falls, S.D.. 52,696
Somerville, Mass..102,351
South Bend, Ind...115,911
South Gate, Calif.. 51,116
Spartanb'g, S. C.. 36,795
Spokane, Wash....161,721
Springfield, Ill. .. 81,628
Springfield, Mass..162,399
Springfield, Mo. .. 66,731

Springfield, Ohio.. 78,508
Stamford, Conn... 74,283
Steubenville, Ohio. 35,872
Stockton, Calif. .. 70,853
Superior, Wisc.... 35,325
Syracuse, N. Y...220,583
Tacoma, Wash. ..143,673
Stratford, Conn... 33,428
Tallahassee, Fla... 27,237
Tampa, Fla. 124,681
Taunton, Mass. ... 40,109
Teaneck, N. J.... 33,772
Temple, Texas ... 25,467
Terre Haute, Ind.. 64,214
Toledo, Ohio 303,616
Topeka, Kansas .. 78,791
Torrington, Conn.. 27,820
Trenton, N. J.....128,009
Troy, N. Y. 72,311
Tucson, Ariz. 45,454
Tulsa, Okla. 182,740
Tuscaloosa, Ala. .. 46,396
Tyler, Texas 38,968
Union City, N.J... 55,537
Union, N. J..... 38,004
Univ'ty City, Mo.. 39,892
Utica, N. Y. 101,531
Vallejo, Calif. ... 26,038
Val'y Str'm, N.Y.. 26,854
Vancouver, Wash.. 41,664
Vicksburg, Miss.. 27,948
Waco, Texas 84,706
Waltham, Mass... 47,187
Warren, Ohio 49,856
Warwick, R. I.... 43,028
Washington, D.C..802,178
Washington, Pa... 26,280
Waterbury, Conn..104,477
Waterloo, Iowa .. 65,198
Watertown, N. Y.. 34,350
Watertown, Mass.. 37,329
Waukegan, Ill. .. 38,946
Wausau, Wisc.... 30,414
Wauwatosa, Wisc.. 33,324
West Allis, Wisc.. 42,959
W. Hartford, Conn. 44,402
W. Haven, Conn.. 32,010
W. N. Y., N. J... 37,683
W. Orange, N. J.. 28,605
W. P'm Bch., Fla. 43,162
Weymouth, Mass.. 32,690
Wheeling, W.Va.. 58,891
W'te Plns., N.Y... 43,466
Wichita, Kansas .168,279
Wich'a F'ls, Tex.. 68,042
Wilkes-Barre, Pa.. 76,826
Wilkinsburg, Pa.. 31,418
Williamsport, Pa.. 45,047
Wilmington, Del..110,356
Wilmington, N.C.. 45,043
Winona, Minn.... 25,031
W'st'n-S'l'm, N.C. 87,811
Woodbridge, N. J. 35,758
Woonsocket, R. I.. 50,211
Worcester, Mass. .203,486
Wyandotte, Mich.. 36,846
Yakima, Wash.... 38,486
Yonkers, N. Y....152,798
York, Pa. 59,953
Youngstown, Ohio.168,330
Zanesville, Ohio.. 40,517

HOME MAINTENANCE CALENDAR

JANUARY

First Week—Oil all motors, examine and refill fire extinguishers. Dispose of old Christmas tree, trash, oil-soaked rags.
Second Week—Repair broken locks, latches, and tighten loose knobs. Lubricate all squeaky hinges.
Third Week — Have steam boiler deposit flushed out.
Fourth Week—Inspect hot-water tank and pipes. Check for drips and rust from faucets. Drain storage tank.

FEBRUARY

First Week—Repair toilet tanks. Check washers on leaky, dripping or noisy faucets.
Second Week—Check on pipe steam systems for incorrectly pitched pipes near radiators. Have oil burner examined.
Third Week—Clean plumbing fixture drains.
Fourth Week — Clean grease traps on all plumbing.

MARCH

First Week—Replace darkened lamp bulbs. Paint and repair screens.
Second Week—Check and tighten screening in louvre vents, chimney and incinerator tops.
Third Week—Remove storm sash and hang screens. Place storm sash upright on dry floor or in racks.
Fourth Week—Inspect roof. Look for signs of dry rot in attic. Open attic and basement vents, doors and windows for free circulation of air to prevent condensation (cause of dry rot).

APRIL

First Week—Oil all fans and motors.
Second Week — Repair all damage due to leaks, dry rot or termites.
Third Week—If cellar is still wet or damp after rain, look for cause of leaks as follows: condensation, earth outside not properly sloped away from building, clogged open drains. Waterproof cellar walls and floor with special paints or waterproofing.
Fourth Week—To cut fuel bills, install insulation.

MAY

First Week—Remove, clean and paint pipes from heater and boiler. Place smoke pipe upright in dry location. Have boiler and heater cleaned by professional using a vacuum machine.
Second Week—Inspect building outside for loose mortar, open joints, cracked or loose stucco.
Third Week—Examine exterior for split or rotted woodwork, open connections or joints, sagging or loose pieces. Have repaired.
Fourth Week—Replace any damaged glass; repair damaged putty.

JUNE

First & Second Weeks—Paint galvanized iron or tin roofing, sheet-metal work, wood gutters, defective stucco, and steel work. Check woodwork for painting need.
Third Week—Replace burned lamp bulbs. Have frayed cords repaired.
Fourth Week—Clean all radiators.

JULY

First Week—Oil fans and motors. Examine interior for painting or papering needs.
Second Week—Check furniture legs for uneven surfaces that might injure floors.
Third Week—Have new flooring of linoleum, cork rubber or asphalt tile laid where required. Wax after laying.
Fourth Week—Have dripping pipes covered with insulation that will eliminate drip caused by condensation.

AUGUST

First Week—Check on oil burner or stoker service contract. Have a yearly inspection made. Order fuel in now, including firewood. Replace smoke pipes and be sure all parts of boiler and heater are air-tight. Check radiator valves and replace defective ones. Open windows or vent so that boiler will get air.
Second Week — Repair and repaint storm sash.
Third Week—Clean grease trap. Have septic tank inspected. Have sludge removed from top and bottom. Check that field tile are working.
Fourth Week—Clean wastes and drains.

SEPTEMBER

First Week — Remove screens and replace storm sash.
Second Week — Remove all awnings and porch furniture and repair.
Third Week—Repair and clean roller shades and venetian blinds. Drain outside water lines and store hose on reels inside.
Fourth Week—Close windows and vents in attic and basement to avoid damage by freezing. Check lightning rods for damage.

OCTOBER

First Week—Oil fans and motors. Repair worn or frayed electric connections. Remove darkened lamp bulbs. Examine connection of leaders from roof gutters to ground drains.
Second Week—Have roof examined for loose slate or shingles. Clean gutters. Paint galvanized sheet metal and canvas roofing.
Third Week — Have exterior drains, area drains and catch basins cleaned.
Fourth Week—Clean drains with grease-removing preparation.

NOVEMBER

First Week—Check oil tank. Have defective burner or stoker serviced.
Second Week—Examine windows and doors for broken glass, defective putty, broken cords.
Third Week—Remove screens and install storm sash and storm doors.
Fourth Week—Install weatherstrip on doors and windows. To eliminate cold drafts and to save fuel.

DECEMBER

First Week—Check all electric fixture wires. Replace bulbs.
Second Week — Examine Christmas tree lights, discard frayed wires. Check fire extinguishers.
Third Week—Check all flues for dirt and soot. Clean ash pit. Check fireplaces for loose mortar, cracked bricks.
Fourth Week—Inspect joints between wood trim and masonry at doors and windows to see that caulking is in good condition.

WEATHER SIGNS

EXPLANATION OF U. S. WEATHER SIGNALS

White flag, alone, indicates fair weather, stationary temperature.

Blue flag, alone, indicates rain or snow, stationary temperature.

White and Blue flag, alone—local rain or snow, temperature stationary.

White flag with a Black Triangular one above—fair, warmer.

White flag with a Black Triangular one below—fair, colder.

Blue flag with a Black Triangular one above—rain or snow, warmer.

Blue flag with a Black Triangular one below—rain or snow, colder.

White and Blue flag with a Black Triangular one above—local rain or snow, warmer.

White and Blue flag with a Black Triangular one below—local rain or snow, colder.

White flag with a White with Black center above—fair, cold wave.

Blue flag with a White with Black center above—wet, cold wave.

EXPLANATION OF SMALL CRAFT, STORM, AND HURRICANE WARNINGS

The Small Craft Warning—A red pennant indicates that moderately strong winds that will interfere with the safe operation of small craft are expected.

The Northeast Storm Warning—A red pennant *above* a square red flag with black center displayed by day, or two red lanterns, one above the other, displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *northeast.*

The Southeast Storm Warning —A red pennant *below* a square red flag with black center displayed by day, or one red lantern displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *southeast.*

The Southwest Storm Warning—A white pennant *below* a square red flag with black center displayed by day, or a white lantern *below* a red lantern displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *southwest.*

The Northwest Storm Warning—A white pennant *above* a square red flag with black center displayed by day, or a white lantern *above* a red lantern displayed by night, indicates the approach of a storm of marked violence with winds beginning from the *northwest.*

Hurricane, or Whole Gale Warning—Two square flags, red with black centers, one above the other, displayed by day, or two red lanterns, with a white lantern between, displayed by night, indicates the approach of a tropical hurricane, or one of the extremely severe and dangerous storms which occasionally occur.

WEATHER WISDOM

Sunset Colors: A gray, lowering sunset, or one where the sky is green or yellowish-green, indicates rain. A red sunrise with clouds lowering later in the morning, also indicates rain.

Sky Color: A deep blue color of the sky, even when seen through clouds, indicates fair weather; a glowing whiteness an approaching storm.

Visibility: Unusual clearness of the atmosphere, unusual brightness or twinkling of the stars indicate rain.

Fogs: Fogs indicate settled weather. A morning fog usually breaks away before noon.

Frost: The first frost and the last frost are usually preceded by a temperature very much above the mean.

Halo (Sun Dogs): By halo we mean the large circles, or part of circles, about the sun or moon. A halo occurring after fine weather indicates a storm.

Corona: By this term we mean the small colored circles frequently seen around the sun or moon. A corona growing smaller indicates rain; growing larger, fair weather.

Rainbows: A morning rainbow is regarded as a sign of rain; an evening rainbow of fair weather.

♊
TWINS
Gemini
The Arms

Head and Face

♈
RAM
Aries

♉
BULL
Taurus
The Neck

1958 Almanac

Being—until July 4th—the 182nd Year of American Independence

♌
LION
Leo
The Heart

Morning and Evening Stars, 1958

Mercury (☿) will be a Morning Star from January 1 to March 3, April 16 to June 18, August 23 to October 5, December 10 to December 31: an Evening Star from March 3 to April 16, June 18 to August 23, October 5 to December 10.

Venus (♀) will be an Evening Star from January 1 to January 28, a Morning Star from January 28 to November 11, then an Evening Star again to the end of the year.

Mars (♂) will be a Morning Star from January 1 to November 16, then an Evening Star to the end of the year.

Jupiter (♃) will be a Morning Star from January 1 to April 17, an Evening Star from April 17 to November 5, then a Morning Star again to the end of the year.

Saturn (♄) will be a Morning Star from January 1 to June 13, an Evening Star from June 13 to December 20, then a Morning Star again to the end of the year.

♋
CRAB
Cancer
The Breast

♎
BALANCE
Libra
The Reins

Chronological Cycles, 1958

Dominical Letter	E
Epact	10
Lunar Cycle or Gold.n Number	2
Solar Cycle	7
Roman Indiction	11
Julian Period	6671
Dionysian Period	287
Jewish Lunar Cycle	18

♍
VIRGIN
Virgo
The Bowels

♐
ARCHER
Sagittarius
The Thighs

Eclipses in 1958

In the year 1958 there will be three eclipses, two of the Sun and one of the Moon, as follows:

I. An annular eclipse of the Sun, April 18, visible in Alaska, the northern Pacific Ocean, eastern and southern Asia, the East Indies and the eastern part of the Indian Ocean. In Alaska it will be visible as a small partial eclipse, at, or shortly before sunset.

II. A very small Partial Eclipse of the Moon, May 3, the beginning visible generally in the western part of North America, the Pacific Ocean, eastern Asia, the southeastern part of the Indian Ocean, Australia, and Antarctica. The ending will be visible generally in the extreme western part of North America, the Pacific Ocean, eastern Asia, Australia, the southeastern part of the Indian Ocean, and Antarctica.

III. A total eclipse of the Sun, October 12, visible in the southwestern part of South America, the South Pacific Ocean, and the eastern part of Australia.

♏
SCORPION
Scorpio
The Secrets

♒
WATERMAN
Aquarius
The Legs

PISCES FISHES

♓

The Feet

♑
GOAT
Capricornus
The Knees

JANUARY

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30
	31

1958 January 1958

1st Month — 31 Days

January is named after Janus, the God of Beginnings and was made the first Month of the Roman Year 251 B. C.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
F.M.	5 3 09 A	5 2 09 A	5 1 09 A	5 0 09 A
L.Q.	12 9 01 M	12 8 01 M	12 7 01 M	12 6 01 M
N.M.	19 5 08 A	19 4 08 A	19 3 08 A	19 2 08 A
F.Q.	27 9 16 A	27 8 16 A	27 7 16 A	27 6 16 A

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon sets H M	SUN SLOW M	Sun rises H M	Sun sets H M	Moon sets H M	Sun rises H M	Sun sets H M	Moon sets H M
1	We	*New Year's Day* (Circumcision)	♉	7 30	4 36	3 11	4	7 25	4 42	3 7	7 2	5 5	2 52
2	Th	☿ Greatest Hel. Lat. North	♉	7 30	4 37	4 10	4	7 25	4 43	4 7	7 2	5 6	3 49
3	Fr	⊕ In Perihelion	♊	7 31	4 38	5 10	5	7 25	4 44	5 6	7 2	5 6	4 45
4	Sa	Revolution in Chile, 1956	♊	7 30	4 39	6 6	5	7 25	4 45	6 2	7 3	5 7	5 40
1. 2nd Sunday after Christmas Matt. 2		**Day's length 9h. 10m.**				**9h. 20m.**				**10h. 5m.**			
5	Su	*5. Holy Name of Jesus.* ☿ stat.	♋	7 30	4 40	rises	6	7 25	4 45	rises	7 3	5 8	rises
6	Mo	*Epiphany.* ♀ stationary	♋	7 30	4 41	6 9	6	7 25	4 46	6 12	7 3	5 9	6 29
7	Tu	☌ ♁ ☾, ♂ in ♉	♌	7 30	4 42	7 21	6	7 25	4 47	7 23	7 3	5 10	7 35
8	We	☾ in Perigee	♌	7 30	4 43	8 33	7	7 25	4 48	8 34	7 3	5 10	8 42
9	Th	Floods in Nova Scotia (20d), 1956	♍	7 30	4 44	9 45	7	7 25	4 49	9 46	7 3	5 11	9 48
10	Fr	Earthquake in England, 1956	♍	7 30	4 45	10 56	8	7 25	4 50	10 55	7 3	5 12	10 54
11	Sa	Michigan Territory created, 1805	♎	7 29	4 46	morn	8	7 25	4 51	morn	7 3	5 13	11 58
2. 1st Sunday after Epiphany Luke 2		**Day's length 9h. 18.**				**9h. 27m.**				**10h. 10m.**			
12	Su	*12. Feast of the Holy Family.*	♎	7 29	4 47	12 7	8	7 25	4 52	12 5	7 3	5 13	morn
13	Mo	☌ ♆ ☾ ☾ in ♌ [☌ ♆ ☾	♍	7 28	4 48	1 16	9	7 24	4 53	1 14	7 3	5 14	1 02
14	Tu	Roosevelt-Churchill in Africa, 1943	♍	7 28	4 49	2 24	9	7 24	4 54	2 20	7 3	5 15	2 04
15	We	☿ Greatest Elong. W. 23° 53′	♐	7 27	4 51	3 28	10	7 24	4 56	3 24	7 2	5 16	3 05
16	Th	☌ ♂ ☾, ☌ ♄ ☾	♐	7 27	4 52	4 27	10	7 23	4 57	4 23	7 2	5 17	4 03
17	Fr	☌ ☿ ☾	♐	7 27	4 53	5 22	10	7 23	4 58	5 17	7 2	5 18	4 57
18	Sa	Riots in Bombay, (30d), 1956	♑	7 26	4 55	6 10	10	7 22	4 59	6 6	7 2	5 19	5 46
3. 2nd Sunday after Epiphany Mark 1		**Day's length 9h. 30m.**				**9h. 38m.**				**10h. 19m.**			
19	Su	*19. Lee's Birthday*	♑	7 26	4 56	sets	11	7 22	5 0	sets	7 1	5 20	sets
20	Mo	☌ ♀ ☾ (close), □ ♃ ☉	♒	7 25	4 57	6 9	11	7 21	5 1	6 11	7 1	5 21	6 25
21	Tu	First Atomic Sub. launched, 1954	♒	7 25	4 58	7 9	11	7 21	5 2	7 11	7 1	5 22	7 20
22	We	Panama Canal Treaty signed, 1903	♓	7 24	4 59	8 7	11	7 20	5 3	8 8	7 1	5 23	8 14
23	Th	☌ ♂ ♄	♓	7 24	5 1	9 5	12	7 20	5 5	9 5	7 0	5 24	9 07
24	Fr	□ ♆ ☉, ☾ in apogee	♓	7 23	5 2	10 3	12	7 19	5 6	10 2	7 0	5 25	10 00
25	Sa	☿ in ♉	♈	7 22	5 3	11 0	12	7 18	5 7	10 59	6 59	5 26	10 52
4. 3rd Sunday after Epiphany John 2		**Day's length 9h. 43m.**				**9h. 51m.**				**10h. 28m.**			
26	Su	1st settlement in Australia, 1788	♈	7 21	5 4	11 58	12	7 17	5 8	11 55	6 59	5 27	11 45
27	Mo	27. Virginia becomes state, 1770	♉	7 20	5 6	morn	13	7 16	5 10	morn	6 59	5 28	morn
28	Tu	Inferior ☌ ♀ ☉ [☾ in ♉	♉	7 19	5 7	12 56	13	7 15	5 11	12 53	6 58	5 29	12 39
29	We	☽ ☌ ☉	♉	7 18	5 9	1 55	13	7 14	5 13	1 51	6 58	5 30	1 35
30	Th	♀ in Perihelion	♊	7 17	5 10	2 53	13	7 13	5 14	2 49	6 57	5 30	2 29
31	Fr	U. S. Recognizes Trans-Jordan, '49	♊	7 16	5 11	3 49	14	7 12	5 15	3 45	6 56	5 31	3 24

WEATHER FORECAST FOR JANUARY

1st to 3rd—Snow in northeastern sections, rains in the lower Atlantic and Gulf states. Blustery in the Mississippi valley, fair and colder over the prairies and along the west coast, frosts in the south.

4th to 7th—Much colder in eastern areas, clear skies in central states. Blustery along the Missouri River and snow in the Rockies. Very windy on the southern plains and showers on the Pacific slope.

8th to 11th—Mostly fair in the west, becoming stormy the last of the week. Clear skies and milder in the Ohio valley, Great Lakes area and along the Atlantic coast. Pleasant in the south with rising temperatures.

12th to 15th—Stormy on western plains and gales along Pacific coast, clearing by mid-week. Blizzards in central and northeastern states, rains in southeast, rising temperatures.

16th to 19th—Fair and colder in western states with heavy frosts in the southwest, turning unsettled over the week-end. Slowly clearing and colder in the Mississippi valley and eastward to New England, killing frosts in the southeast.

20th to 23rd—Pleasant on the Pacific slope, snow flurries in the Rockies and over the western prairies. Mostly fair and cold in central and eastern sections, fogs on the southeast coast.

24th to 27th—Severe storms in the northwestern states with heavy snow in some sections, rains in California, blizzards on the northern plains. Fair and milder at first in central and eastern areas, turning stormy and colder.

28th to 31st—Continued stormy in the Ohio valley and Great Lakes area, northeast storms in New England, gales along the Atlantic coast. Blustery squalls in south, clearing and colder in the Mississippi valley and westward, sunny in California.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on January 1, 2, 5, 6, 11, 12, 13, 14, 18, 19, 22, 23, 24, 27, 28, 29. Do not plant on January 3, 4, 7, 8, 9, 10, 15, 16, 17, 20, 21, 25, 26, 30, 31.

FEBRUARY

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	
15	

1958 February 1958

2nd Month — 28 Days

February is named after the Festival Februalia and was assigned by Numa to follow January and was made the second Month of the Roman Year.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
F.M.	4 3 05 M	4 2 05 M	4 1 05 M	4 0 05 M
L.Q.	10 6 34 A	10 5 34 A	10 4 34 A	10 3 34 A
N.M.	18 10 38 M	18 9 38 M	18 8 38 M	18 7 38 M
F.Q.	26 3 51 A	26 2 51 A	26 1 51 A	26 0 51 A

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

SUN SLOW

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon sets H M	M	Sun rises H M	Sun sets H M	Moon sets H M	Sun rises H M	Sun sets H M	Moon sets H M
1	Sa	Tornadoes in Mississippi (35d), 1955	♋	7 15	5 12	4 43	14	7 12	5 16	4 39	6 55	5 32	4 19
5. Septuagesima Sunday		**Matt. 20**	**Day's length 10h. 0m.**			**10h. 7m.**				**10h. 39m.**			
2	Su	*Purification (Candl's).* Ground Hog Day	♋	7 14	5 14	5 33	14	7 11	5 18	5 29	6 54	5 33	5 10
3	Mo	☾ ☌ ♂ ☾	♌	7 13	5 16	6 18	14	7 10	5 19	6 15	6 54	5 34	5 59
4	Tu	*4.* ☿ in Aphelion	♌	7 12	5 17	rises	14	7 9	5 20	rises	6 53	5 35	rises
5	We	♆ stationary, ☾ in Perigee	♍	7 11	5 18	7 26	14	7 8	5 21	7 26	6 52	5 36	7 32
6	Th	Pope Pious XI elected, 1922	♍	7 10	5 19	8 39	14	7 7	5 22	8 39	6 52	5 37	8 39
7	Fr	☌ ☿ ♀	♎	7 9	5 20	9 53	14	7 6	5 24	9 52	6 51	5 38	9 47
8	Sa	Russ. Premier Malenkov resigned, '55	♎	7 7	5 22	11 5	14	7 4	5 25	11 2	6 51	5 39	10 53
6. Sexagesima Sunday		**Luke 8**	**Day's length 10h. 17m.**			**10h. 23m.**				**10h. 50m.**			
9	Su	☾ ☌ ☾. ☌ ♆ ☾ ☾ in ♌	♏	7 6	5 23	morn	14	7 3	5 26	morn	6 50	5 40	11 56
10	Mo	*10.* Charles Lamb born, 1775	♏	7 5	5 25	12 13	14	7 2	5 27	12 10	6 49	5 41	morn
11	Tu	Tachen Is. evacuation ended, 1955	♏	7 4	5 26	1 20	14	7 1	5 28	1 16	6 48	5 42	12 59
12	We	*Lincoln's Birthday.*	♐	7 3	5 28	2 21	14	7 0	5 30	2 17	6 47	5 43	1 58
13	Th	☌ ♄ ☾	♐	7 1	5 29	3 17	14	6 59	5 31	3 13	6 46	5 43	2 53
14	Fr	*St. Valentine's Day.* ☌ ♂ ☾	♑	7 0	5 30	4 7	14	6 57	5 32	4 3	6 45	5 44	3 43
15	Sa	♃ Stationary	♑	6 58	5 31	4 51	14	6 56	5 33	4 47	6 44	5 45	4 29
7. Quinquagesima Sunday		**Luke 18**	**Day's length 10h. 35m.**			**10h. 39m.**				**11h. 3m.**			
16	Su	☌ ♀ ☾	♒	6 57	5 32	5 29	14	6 55	5 34	5 25	6 43	5 46	5 10
17	Mo	♀ stationary, ☌ ☿ ☾	♒	6 55	5 34	6 3	14	6 53	5 36	6 0	6 42	5 47	5 48
18	Tu	*18. Shrove Tues. Mardi Gras*	♒	6 54	5 35	sets	14	6 52	5 37	sets	6 41	5 48	sets
19	We	*Ash Wednesday* (Lent beg.) ☍ ☉	♓	6 53	5 36	6 56	14	6 50	5 38	6 57	6 40	5 49	6 59
20	Th	Blast in Palestine, '47. ♀ Gr. Hel. Lat. N.	♓	6 52	5 38	7 54	14	6 49	5 40	7 53	6 39	5 50	7 53
21	Fr	☾ in Apogee	♈	6 50	5 39	8 51	14	6 47	5 41	8 50	6 38	5 51	8 45
22	Sa	*Washington's Birthday*	♈	6 48	5 40	9 48	14	6 46	5 42	9 46	6 37	5 51	9 38
8. Quadragesima Sunday, Lent 1		**Matt. 4**	**Day's length 10h. 54m.**			**10h. 58m.**				**11h. 16m.**			
23	Su	Paper making invent., 105 A.D. ☾ in ♉	♈	6 47	5 41	10 46	13	6 45	5 43	10 43	6 36	5 52	10 31
24	Mo	Floods in Australia, (75d), *1955*	♉	6 45	5 42	11 43	13	6 43	5 44	11 40	6 35	5 53	11 25
25	Tu	☿ Greatest Hel. Lat. South	♉	6 43	5 44	morn	13	6 42	5 46	morn	6 34	5 54	morn
26	We	*26. Ember Day*	♊	6 42	5 45	12 40	13	6 40	5 47	12 36	6 32	5 54	12 19
27	Th	Reds shelled Quemoy Is,, 1955	♊	6 41	5 46	1 36	13	6 39	5 48	1 32	6 31	5 55	1 13
28	Fr	*Ember Day*	♊	6 39	5 47	2 29	13	6 37	5 49	2 25	6 30	5 56	2 5

WEATHER FORECAST FOR FEBRUARY

1st to 3rd—Fair and colder in eastern states, becoming unsettled and blustery. Snow in the Mississippi valley and over the western plains. Snow squalls in the northwest, blustery in the southwest.

4th to 7th—Slowly clearing in the Ohio valley and Atlantic states, mostly fair in central sections. Fine winter weather over the plains and along the Pacific slope, becoming stormy.

8th to 11th—Severe storms and heavy snow in most parts of the west, turning fair and colder. Showers in California, followed by heavy frosts, stormy in central and eastern states, with snow in north and rains in south. Gales on eastern seaboard.

12th to 15th—Fair in most sections with storms developing the last of the week in the northwestern states. A severe cold wave in the Mississippi valley and eastward, with heavy frosts down to the Gulf. Fair and cold in the southwest.

16th to 19th—Unsettled and blustery in the upper Atlantic and central states, squalls in the southeast, clearing and colder on the western plains. Cool and sunny on the Pacific slope.

20th to 23rd—Stormy in western sections with heavy snow in Rockies and over plateau areas, rain on west coast. Fair at first in Mississippi valley and eastward to Atlantic, turning stormy and wet. Pleasant in Gulf states with dense morning fogs.

24th to 28th—Pleasant winter weather in most western sections, with snow flurries in the mountains and along the Canadian border. Snow storms in central and eastern sections, becoming fair and colder by mid-week, frosts in the south.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on February 1, 2, 7, 8, 9, 10, 11, 14, 15, 19, 20, 24, 25.

Do not plant on February 3, 4, 5, 6, 12, 13, 16, 17, 18, 21, 22, 23, 26, 27, 28.

MARCH

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30
	31

1958 March 1958

3rd Month — 31 Days

March was named after Mars, the God of War and was originally the first Month of the Roman Year.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
F.M.	5 1 28 A	5 0 28 A	5 11 28 M	5 10 28 M
L.Q.	12 5 48 M	12 4 48 M	12 3 48 M	12 2 48 M
N.M.	20 4 50 M	20 3 50 M	20 2 50 M	20 1 50 M
F.Q.	28 6 18 M	28 5 18 M	28 4 18 M	28 3 18 M

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

SUN SLOW

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon sets H M	M	Sun rises H M	Sun sets H M	Moon sets H M	Sun rises H M	Sun sets H M	Moon sets H M
1	Sa	*Ember Day*	♋	6 38	5 49	3 20	12	6 36	5 50	3 16	6 29	5 57	2 57
9.		**2nd Sunday in Lent** — **Matt. 15** — **Day's length 11h. 14m.**						**11h. 17m.**			**11h. 30m.**		
2	Su	1st Military Plane Flight, 1910	♋	6 36	5 50	4 6	12	6 34	5 51	4 2	6 28	5 58	3 46
3	Mo	☌ ☿ ☾, Superior ☌ ☿ ☉	♌	6 34	5 51	4 49	12	6 33	5 52	4 46	6 27	5 59	4 32
4	Tu	♀ brightest	♌	6 32	5 52	5 28	12	6 31	5 53	5 26	6 26	5 59	5 17
5	We	*5. Hebrew Fast of Esther*	♍	6 31	5 53	rises	12	6 30	5 54	rises	6 24	6 0	rises
6	Th	*Hebrew Purim*, ☾ in Perigee	♍	6 29	5 54	7 29	11	6 28	5 55	7 28	6 23	6 1	7 26
7	Fr	*Hebrew Purim*	♎	6 28	5 55	8 45	11	6 27	5 56	8 43	6 22	6 1	8 35
8	Sa	☌ ♃ ☾, ☌ ♆ ☾	☾ in ♌ ♎	6 26	5 57	9 58	11	6 25	5 58	9 55	6 21	6 2	9 43
10.		**3rd Sunday in Lent** — **Luke 11** — **Day's length 11h. 34m.**						**11h. 36m.**			**11h. 44m.**		
9	Su	U. S. "Day of Fires" (23d), 1955	♏	6 24	5 58	11 8	11	6 23	5 59	11 04	6 19	6 3	10 48
10	Mo	California Earthquake (130d), 1933	♏	6 22	5 59	morn	10	6 22	6 0	morn	6 18	6 4	11 49
11	Tu	G. Washington made survey trip,	♐	6 21	6 1	12 13	10	6 20	6 2	12 09	6 17	6 4	morn
12	We	*12.* ☌ ♄ ☾ ● ☋ [1748	♐	6 19	6 2	1 12	10	6 18	6 3	1 08	6 15	6 5	12 48
13	Th	Red Spies found in Sweden, 1955	♑	6 17	6 3	2 4	10	6 16	6 4	2 0	6 14	6 6	1 41
14	Fr	"Atoms for Peace" school in U.S., '55	♑	6 16	6 4	2 50	9	6 15	6 5	2 46	6 13	6 6	2 27
15	Sa	☌ ♂ ☾	♒	6 14	6 5	3 29	9	6 13	6 6	3 25	6 12	6 7	3 9
11.		**Mid-Lent Sunday** — **John 6** — **Day's length 11h. 54m.**						**11h. 55m.**			**11h. 57m.**		
16	Su	☌ ♀ ☾, □ ♄ ☉, ☿ in ♌	♒	6 12	6 6	4 5	9	6 12	6 7	4 2	6 11	6 8	3 49
17	Mo	*St. Patrick's Day*	♒	6 11	6 8	4 36	8	6 10	6 8	4 33	6 9	6 9	4 24
18	Tu	Tornadoes in U. S. (689d), 1925	♓	6 9	6 9	5 5	8	6 8	6 9	5 3	6 8	6 10	4 58
19	We	Mass. Colony founded, 1628	♓	6 7	6 10	5 32	8	6 7	6 10	5 31	6 6	6 10	5 30
20	Th	*20.* Spring begins, ☉ enters ♈	♈	6 5	6 11	sets	8	6 5	6 11	sets	6 5	6 11	sets
21	Fr	☌ ☿ ☾ [☾ in Apogee	♈	6 4	6 12	7 42	7	6 4	6 12	7 40	6 4	6 12	7 33
22	Sa	U. S. Panama Pact 1903	☾ in ♉ ♈	6 2	6 13	8 39	7	6 2	6 13	8 36	6 2	6 13	8 26
12.		**Passion Sunday** — **John 8** — **Day's length 12h. 14m.**						**12h. 14m.**			**12h. 12m.**		
23	Su	U. S. Paratroops attacked Korea, 1951	♉	6 0	6 14	9 36	7	6 0	6 14	9 33	6 ½	6 13	9 19
24	Mo	T. B. Germ discovered by Koch, 1882	♉	5 59	6 15	10 33	6	5 59	6 15	10 29	6 0	6 14	10 13
25	Tu	*Annunciation* (Lady Day)	♉	5 57	6 17	11 29	6	5 57	6 16	11 25	5 58	6 14	11 6
26	We	Religious Riots in Belgium, 1955	♊	5 55	6 18	morn	6	5 55	6 17	morn	5 57	6 15	11 58
27	Th	Prison Riots in Nebraska, 1955	♊	5 53	6 19	12 21	5	5 54	6 18	12 17	5 55	6 16	morn
28	Fr	*28.* Indo-China Civil War, 1955	♋	5 51	6 21	1 12	5	5 52	6 20	1 8	5 54	6 17	12 48
29	Sa	☿ Greatest Elong. E., 18° 52′	♋	5 49	6 22	1 58	5	5 50	6 21	1 54	5 53	6 17	1 37
13.		**Palm Sunday** — **Matt. 27** — **Day's length 12h. 36m.**						**12h. 34m.**			**12h. 26m.**		
30	Su	☌ ♂ ☾	♌	5 47	6 23	2 40	4	5 48	6 22	2 37	5 52	6 18	2 22
31	Mo	☿ Gr. Hel. Lat. N.	♌	5 46	6 24	3 20	4	5 46	6 23	3 18	5 51	6 19	3 6

WEATHER FORECAST FOR MARCH

1st to 3rd—Unsettled and blustery in the Mississippi valley, snow flurries in the upper Atlantic area, rain squalls in the Gulf states. Sunny and cold in most western sections.

4th to 7th—Snow storms in Oregon and Washington, spreading eastward into the central states, gales along the west coast. Generally fair in the southwest, pleasant in eastern sections.

8th to 11th—Snow and rain on the Pacific slope, slowly clearing. Cold winds on the western plains, snow in the Mississippi valley, severe storms further east. Pleasant in the Gulf states, fogs along the Great Lakes.

12th to 15th—Clearing and colder in the Ohio valley and upper Atlantic states, blustery in central sections. Unsettled over the prairies, heavy snow in the Rockies. Rain or snow in the Pacific states.

16th to 19th—Fine winter weather in most eastern areas, but very windy. Blustery squalls in Mississippi valley and over western plains, with blizzards developing along Missouri River by mid-week. Fair and cold on Pacific slope, turning stormy.

20th to 23rd—Dangerous gales on the Atlantic coast and along Great Lakes, snow or rain southward to the Gulf. Slowly clearing in central and western sections by the first of the week.

24th to 27th—Fine winter weather in the Pacific states, becoming unsettled late in the week. Mostly sunny in the Mississippi valley and eastward, with morning fogs on the southeast coast.

28th to 31st—Blustery and unsettled in the Atlantic states, with snow squalls in New England and showers in the south. Clearing in central and western sections over the week end, followed by cold, sunny weather.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on March 1, 2, 7, 8, 9, 10, 13, 14, 18, 19, 23, 24, 25, 28, 29.

Do not plant on March 3, 4, 5, 6, 11, 12, 15, 16, 17, 20, 21, 22, 26, 27, 30.

APRIL

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30

1958 — April — 1958

4th Month — 30 Days

April derived its name from the Latin word *Aprier* (to open), the Season when buds begin to open.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
F.M.	3 10 45 A	3 9 45 A	3 8 45 A	3 7 45 A
L.Q.	10 6 50 A	10 5 50 A	10 4 50 A	10 3 50 A
N.M.	18 10 23 A	18 9 23 A	18 8 23 A	18 7 23 A
F.Q.	26 4 36 A	26 3 36 A	26 2 36 A	26 1 36 A

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

SUN SLOW

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Arizona, So. Calif.

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon sets H M	M	Sun rises H M	Sun sets H M	Moon sets H M	Sun rises H M	Sun sets H M	Moon sets H M
1	Tu	Hawaii Tidal Wave (159d), 1946	♍	5 44	6 25	3 58	4	5 45	6 24	3 56	5 49	6 19	3 49
2	We	U.S. Approve Re-Arm. Ger., '55	♍	5 43	6 26	4 34	4	5 43	6 25	4 33	5 48	6 20	4 31
3	Th	*3. Maundy Thursday.* ☾ in Perig.	♎	5 40	6 27	rises	3	5 41	6 26	rises	5 47	6 21	rises
4	Fr	*Good Friday.* ♄ Stationary, ☌ ☾	♎	5 39	6 28	7 31	3	5 40	6 27	7 29	5 45	6 21	7 21
5	Sa	*First Day of Passover (H.)* ☌♆ ☾ in ♉	♏	5 37	6 29	8 46	3	5 38	6 28	8 42	5 44	6 22	8 28
14.		**Easter Sunday** — Mark 16 — Day's length 12h. 55m.						12h. 52m.			12h. 40m.		
6	Su	☿ Stationary	♏	5 35	6 30	9 55	2	5 37	6 29	9 51	5 43	6 23	9 34
7	Mo	Phone Strike in U. S., 1952	♐	5 34	6 31	11 0	2	5 35	6 30	10 56	5 42	6 23	10 36
8	Tu	☌ ♄ ☾, ♀ Gr. Elong. W. 46° 23′	♐	5 32	6 32	11 56	2	5 33	6 31	11 52	5 41	6 24	11 32
9	We	Earthquake in India, 1951	♑	5 30	6 34	morn	2	5 32	6 32	morn	5 39	6 25	morn
10	Th	*10.* Try to kill Mexican Pres., '44	♑	5 29	6 35	12 46	1	5 30	6 33	12 42	5 38	6 26	12 23
11	Fr	Korean Prisoner exchange signed, '53	♒	5 27	6 36	1 28	1	5 29	6 34	1 24	5 37	6 26	1 8
12	Sa	Mixed Fertilizer first used, 1949	♒	5 25	6 37	2 5	1	5 27	6 35	2 2	5 35	6 27	1 48
15.		**Low Sunday** — John 20 — Day's length 13h. 14m.						13h. 10m.			12h. 54m.		
13	Su	*Jefferson's Birthday.* ☌ ♂ ☾	♒	5 24	6 38	2 38	0	5 26	6 36	2 35	5 34	6 28	2 25
14	Mo	*Pan-American Day.* ☌ ♀ ☾	♓	5 22	6 39	3 8	0	5 24	6 37	3 6	5 33	6 28	3 0
15	Tu	♁ stationary	♓	5 20	6 40	3 36	Fst	5 23	6 38	3 35	5 32	6 29	3 31
16	We	Inferior ☌ ☿ ☉, ☾ in Apogee	♓	5 19	6 42	4 3	0	5 21	6 40	4 3	5 30	6 30	4 3
17	Th	☌ ♃ ☉, ♀ in ♉	♈	5 17	6 43	4 30	0	5 19	6 41	4 30	5 29	6 31	4 35
18	Fr	*18.* ☌ ☿ ☾	♈	5 16	6 44	sets	1	5 18	6 42	sets	5 28	6 31	sets
19	Sa	England Paper Strike end., 1955 ☾ in ♉	♉	5 14	6 45	7 31	1	5 16	6 43	7 28	5 27	6 32	7 15
16.		**2nd Sunday after Easter** — John 10 — Day's length 13h. 35m.						13h. 30m.			13h. 7m.		
20	Su	California Plane Crash (8d), 1953	♉	5 12	6 47	8 28	1	5 14	6 44	8 24	5 26	6 33	8 8
21	Mo	Earthquake in Greece (40d), 1955	♉	5 11	6 48	9 24	1	5 13	6 46	9 20	5 25	6 33	9 2
22	Tu	McCarthy-Army Feud Trial, 1954	♊	5 9	6 49	10 17	2	5 11	6 46	10 13	5 24	6 34	9 54
23	We	☿ in ♉, ☌ ♆ ☉	♊	5 8	6 50	11 9	2	5 10	6 47	11 5	5 22	6 35	10 45
24	Th	1st Newspaper in America, 1704	♋	5 6	6 51	11 56	2	5 8	6 48	11 52	5 21	6 36	11 33
25	Fr	Mex. Mine Cave-in (11d), "53	♋	5 4	6 52	morn	2	5 7	6 50	morn	5 20	6 37	morn
26	Sa	*26. South. Memorial Day* ☌ ♁ ☾	♌	5 3	6 53	12 38	2	5 6	6 51	12 34	5 19	6 37	12 19
17.		**3rd Sunday after Easter** — John 16 — Day's length 13h. 52m.						13h. 48m.			13h. 20m.		
27	Su	*Grant's Birthday*	♌	5 2	6 54	1 18	2	5 4	6 52	1 15	5 18	6 38	1 2
28	Mo	□ ♁ ☉, ☿ Stationary	♌	5 0	6 56	1 55	3	5 3	6 53	1 52	5 17	6 38	1 44
29	Tu	Steel Mill Seizure Voided, 1952	♍	4 59	6 57	2 29	3	5 2	6 54	2 28	5 16	6 39	2 23
30	We	Louisiana Purchase, 1803	♍	4 57	6 58	3 3	3	5 0	6 55	3 3	5 15	6 40	3 3

WEATHER FORECAST FOR APRIL

1st to 3rd—Stormy in the west, snow in the Rockies and gales along the Pacific coast. Clearing and colder in the Mississippi valley and eastward, turning stormy and wet.

4th to 7th—Severe storms in Atlantic states with heavy rains in many sections. Stormy at first in central and western areas, followed by sunny days and cold nights. Pleasant in California.

8th to 11th—Fair and cold in the Ohio valley and along the Great Lakes into New England, sunny and warmer in southeast, becoming windy and unsettled. Mostly fair in the Mississippi valley and over the western prairies, turning blustery. Pleasant on Pacific slope, snow flurries in mountains.

12th to 15th—Showers in eastern states and very windy, clearing early in the week. Sunny and warmer in most central and western states, with wind storms developing on the west coast.

16th to 19th—Showers in the northwest and snow in the Rockies. Pleasant in California, but windy. Fair at first in central and eastern sections, becoming windy and wet.

20th to 23rd—Clearing and colder in the upper Atlantic states, pleasant in the south. Fine spring weather in the Mississippi valley and westward, with blustery squalls developing in the northwest.

24th to 27th—Showers in the Ohio valley and eastward to New England, pleasant in the lower Atlantic states. Unsettled at first in central states, becoming fair and cold. Pleasant on the plains and along the Pacific slope.

28th to 30th—Severe storms in the northwest, spreading eastward to the Mississippi valley, windy in the southwest. Mostly clear skies in eastern states with rising temperatures.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on April 3, 4, 5, 6, 9, 10, 11, 14, 15, 16, 19, 20, 21, 24, 25.

Do not plant on April 1, 2, 7, 8, 12, 13, 17, 18, 22, 23, 26, 27, 28, 29, 30

MAY

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30
	31

1958 — May — 1958

5th Month — 31 Days

May is named after Maia, the Mother of Mercury and was referred to by the Romans as the growing Month.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
F.M.	3 7 23 M	3 6 23 M	3 5 23 M	3 4 23 M
L.Q.	10 9 37 M	10 8 37 M	10 7 37 M	10 6 37 M
N.M.	18 2 00 A	18 1 00 A	18 0 00 A	18 11 00 M
F.Q.	25 11 38 A	25 10 38 A	25 9 38 A	25 8 38 A

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

SUN FAST

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon sets H M	M	Sun rises H M	Sun sets H M	Moon sets H M	Sun rises H M	Sun sets H M	Moon sets H M
1	Th	Tornadoes in Alabama, 1953 [☿ in ♌	♌	4 56	6 59	3 39	3	4 59	6 56	3 40	5 14	6 41	3 47
2	Fr	☌ ☿, ☌ ♆, ☌ ☾ in Perigee	♍	4 55	7 0	4 18	3	4 58	6 57	4 20	5 13	6 41	4 29
3	Sa	*3. Invention of Cross. Part. Ecl.* ☌	♎	4 53	7 2	rises	3	4 57	6 58	rises	5 12	6 42	rises
18. 4th Sunday after Easter		**John 16**	**Day's length 14h. 11m.**				**14h. 4m.**				**13h. 32m.**		
4	Su	Governor's Conf. in Wash., 1953	♎	4 52	7 3	8 40	3	4 55	6 59	8 36	5 11	6 43	8 17
5	Mo	W. Germany a free Nation, 1955 ☋	♏	4 51	7 4	9 41	3	4 54	7 0	9 37	5 10	6 44	9 17
6	Tu	☌ ♄ ☾	♏	4 49	7 5	10 36	3	4 53	7 1	10 32	5 9	6 44	10 13
7	We	U. S. School Seg. Outlawed, 1954	♐	4 48	7 6	11 24	4	4 52	7 2	11 20	5 8	6 45	11 2
8	Th	*Hebrew Lag-B'Omer*	♐	4 47	7 7	morn	4	4 51	7 3	morn	5 7	6 46	11 45
9	Fr	W. Germany joined NATO, '55	♒	4 46	7 8	12 3	4	4 49	7 4	12 1	5 6	6 46	morn
10	Sa	*10. First Mother's Day, 1908*	♒	4 44	7 9	12 39	4	4 48	7 5	12 36	5 5	6 47	12 24
19. Rogation Sunday		**John 16**	**Day's length 14h. 27m.**				**14h. 19m.**				**13h. 43m.**		
11	Su	*Mothers' Day*	♓	4 43	7 10	1 9	4	4 47	7 6	1 7	5 5	6 48	12 57
12	Mo	☌ ♂ ☾	♓	4 42	7 11	1 39	4	4 46	7 8	1 38	5 4	6 49	1 33
13	Tu	Slavery Abolished in Brazil, 1888	♓	4 41	7 12	2 6	4	4 45	7 9	2 5	5 3	6 49	2 4
14	We	☌ ☿ ☾, ☿ Gr. Elong W. 26° 1'. ☾ in Ap.	♈	4 40	7 13	2 33	4	4 44	7 10	2 34	5 3	6 50	2 36
15	Th	*Ascension Day (Holy Thursday)*	♈	4 39	7 14	3 1	4	4 43	7 11	3 2	5 2	6 51	3 8
16	Fr	☌ ☿ ☾ ☾ in ♉	♈	4 38	7 16	3 31	4	4 42	7 11	3 33	5 1	6 52	3 43
17	Sa	*Armed Forces Day*	♉	4 37	7 17	4 2	4	4 41	7 12	4 5	5 1	6 52	4 19
20. Sunday after Ascension		**John 15**	**Day's length 14h. 42m.**				**14h. 33m.**				**13h. 53m.**		
18	Su	*18. Peace Day*	♉	4 36	7 18	sets	4	4 40	7 13	sets	5 0	6 53	sets
19	Mo	Forrestal ap. Sec. of Navy, '44	♊	4 35	7 19	8 14	4	4 39	7 14	8 10	5 0	6 53	7 50
20	Tu	Argentine Catholic Crisis, 1955 ♑	♊	4 34	7 20	9 6	4	4 38	7 15	9 2	4 59	6 54	8 42
21	We	Israel-Egypt Battle (20d), 1955	♋	4 33	7 21	9 54	4	4 37	7 16	9 50	4 58	6 55	9 31
22	Th	*National Maritime Day.* ☿ in Aphelion	♋	4 33	7 22	10 38	3	4 37	7 17	10 34	4 57	6 55	10 18
23	Fr	Dock Strike in Britain, 1955	♋	4 32	7 23	11 19	3	4 36	7 18	11 16	4 57	6 56	11 2
24	Sa	☌ ☉ ☾, ☿ Gr. Hel. Lat. S.	♌	4 30	7 24	11 55	3	4 35	7 19	11 52	4 56	6 57	11 43
21. Whit Sunday—Pentecost		**John 14**	**Day's length 14h. 55m.**				**14h. 45m.**				**14h. 2m.**		
25	Su	*25. Hebrew Shebuoth.*	♌	4 29	7 24	morn	3	4 34	7 19	morn	4 56	6 58	morn
26	Mo	Mass Polio Vaccine Test, 1954	♍	4 29	7 25	12 31	3	4 34	7 20	12 30	4 55	6 58	12 23
27	Tu	Morse Telegraph 1st used, 1844	♍	4 28	7 26	1 4	3	4 33	7 21	1 3	4 55	6 59	1 1
28	We	*Ember Day*	♎	4 28	7 27	1 37	3	4 33	7 22	1 38	4 54	7 0	1 40
29	Th	☌ ♃ ☾ ☾ in ♉	♎	4 27	7 28	2 13	3	4 32	7 23	2 14	4 54	7 0	2 22
30	Fr	*Ember Day, Memorial Day,* ☌ ♆ ☾,	♏	4 26	7 29	2 52	3	4 31	7 24	2 54	4 54	7 1	3 6
31	Sa	*Ember Day* [☾ in Perigee	♏	4 26	7 30	3 35	2	4 31	7 25	3 38	4 54	7 1	3 54

WEATHER FORECAST FOR MAY

1st to 3rd—Dangerous gales along the Atlantic coast with heavy rains reaching westward to the Mississippi valley. Slowly clearing and colder over the western plains and along the Pacific slope.

4th to 7th—Fine spring weather in the Ohio valley, Great Lakes area and New England, warmer in the mid-Atlantic and Gulf states. Pleasant in central and western sections turning stormy by mid-week.

8th to 11th—Mostly clear skies and cooler in the Pacific states and eastward to the Mississippi valley, unsettled in eastern states with thunder storms in the south, showers in the north.

12th to 15th—Gales along the west coast, violent wind storms in the Rockies and over the plains. Fair in the central states and along the Atlantic coast, but very windy.

16th to 19th—Blustery squalls in the Ohio valley, Great Lakes area and upper Atlantic states, windy and wet in the southeast. Stormy in the Mississippi valley, clearing the first of the week. Mostly sunny skies and warmer in the west.

20th to 23rd—Thunder storms on the western plains, but little rain. Dry in the southwest, cool winds in the north. Fair in central and eastern states, becoming unsettled and blustery.

24th to 27th—Fair and pleasant in the northeastern states, hot in the south, turning stormy early in the week. Thunder storms in the Mississippi valley and over the plains, windy on the Pacific slope.

28th to 31st—Violent storms in central and eastern states, with gales on the Great Lakes and along the Atlantic coast. Stormy at first in the west, turning fair and cooler late in the week.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on May 1, 2, 3, 4, 7, 8, 11, 12, 13, 17, 18, 21, 22, 23, 28, 29, 30, 31.

Do not plant on May 5, 6, 9, 10, 14, 15, 16, 19, 20, 24, 25, 26, 27.

JUNE

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30

1958 June 1958

6th Month

30 Days

June named after Juno, the wife of Jupiter and was the Queen of heaven, worshipped by women because she presided over marriages.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
F.M.	1 3 55 A	1 2 55 A	1 1 55 A	1 0 55 A
L.Q.	9 1 59 M	9 0 59 M	8 11 59 A	8 10 59 A
N.M.	17 2 59 M	17 1 59 M	17 0 59 M	16 11 59 A
F.Q.	24 4 44 M	24 3 44 M	24 2 44 M	24 1 44 M

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

SUN FAST

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon rises H M	M	Sun rises H M	Sun sets H M	Moon rises H M	Sun rises H M	Sun sets H M	Moon rises H M
22. Trinity Sunday		**John 3**	**Day's length 15h. 5m.**					**14h. 55m.**			**14h. 9m.**		
1	Su	1. Tennessee admitted to Union, [1796	♐	4 25	7 30	7 23	2	4 30	7 25	7 19	4 53	7 2	6 59
2	Mo	☿ ♄ ☾ ☋	♐	4 25	7 31	8 23	2	4 30	7 26	8 18	4 53	7 2	7 58
3	Tu	*Jefferson Davis' Birthday*	♑	4 24	7 32	9 14	2	4 30	7 26	9 10	4 53	7 3	8 51
4	We	1st home built in Oregon, 1810	♑	4 23	7 33	9 58	2	4 29	7 27	9 55	4 53	7 4	9 38
5	Th	*Corpus Christi*	♒	4 23	7 34	10 37	2	4 29	7 28	10 34	4 52	7 4	10 20
6	Fr	Congress introd. Import Duties, 1873	♒	4 23	7 34	11 10	1	4 28	7 28	11 7	4 52	7 5	10 57
7	Sa	Lick Observatory est. 1876	♒	4 23	7 35	11 40	1	4 28	7 29	11 39	4 52	7 5	11 32
23. 1st Sunday after Trinity		**Luke 16**	**Day's length 15h. 14m.**					**15h. 2m.**			**14h. 14m.**		
8	Su	*Children's Day*	♓	4 22	7 36	morn	1	4 28	7 30	morn	4 52	7 6	morn
9	Mo	9. First Postal Route, 1690	♓	4 22	7 36	12 8	1	4 27	7 31	12 7	4 52	7 6	12 5
10	Tu	☌ ♂ ☾, ☾ in Apogee	♈	4 22	7 37	12 36	1	4 27	7 31	12 36	4 51	7 6	12 37
11	We	France Auto Race Crash, (82d), 1955	♈	4 22	7 37	1 3	0	4 27	7 32	1 3	4 51	7 7	1 9
12	Th	☿ in Ω ☾ in ♉	♈	4 22	7 38	1 31	0	4 27	7 32	1 33	4 51	7 7	1 42
13	Fr	♂ ♄ ☉, ☌ ☿ ☾, ♀ Gr. Hel. Lat. S.	♉	4 22	7 38	2 3	Sl.	4 27	7 33	2 5	4 51	7 7	2 17
14	Sa	*Flag Day*, ♂ Gr. Hel. Lat. S.	♉	4 21	7 38	2 38	0	4 27	7 33	2 41	4 51	7 8	2 56
24. 2nd Sunday after Trinity		**Luke 14**	**Day's length 15h. 18m.**					**15h. 8m.**			**14h. 17m.**		
15	Su	*Fathers' Day*	♊	4 21	7 39	3 17	0	4 26	7 34	3 21	4 51	7 8	3 39
16	Mo	☿ in Perihelion, ☌ ☿ ☾ ♓	♊	4 21	7 39	4 2	1	4 26	7 34	4 6	4 51	7 9	4 26
17	Tu	17. Pres. Peron excom., 1955	♊	4 21	7 40	sets	1	4 26	7 35	sets	4 52	7 10	sets
18	We	☌ ☿ ☉ Superior	♋	4 21	7 40	8 38	1	4 26	7 35	8 34	4 52	7 10	8 16
19	Th	♃ Stationary	♋	4 21	7 41	9 19	1	4 27	7 36	9 16	4 52	7 10	9 1
20	Fr	☌ ♁ ☾	♌	4 22	7 41	9 58	1	4 27	7 36	9 56	4 52	7 11	9 44
21	Sa	Summer begins ☉ enters ♋,	♌	4 22	7 41	10 34	2	4 27	7 36	10 32	4 52	7 11	10 24
25. 3rd Sunday after Trinity		**Luke 15**	**Day's length 15h. 19m.**					**15h. 9m.**			**14h. 18m.**		
22	Su	Russians downed U. S Planes, 1955	♍	4 22	7 41	11 7	2	4 27	7 36	11 6	4 53	7 11	11 3
23	Mo	Edward Windsor born, 1894	♍	4 22	7 41	11 39	2	4 27	7 36	11 40	4 53	7 11	11 42
24	Tu	*24. Reds seize Hungarian Nuns,*	♎	4 23	7 41	morn	2	4 28	7 36	morn	4 53	7 11	morn
25	We	☌ ♃ ☾ [1950	♎	4 23	7 42	12 14	2	4 28	7 37	12 15	4 54	7 11	12 21
26	Th	☌ ♆ ☾, ☾ in Perigee ☾ in Ω	♏	4 23	7 42	12 51	3	4 28	7 37	12 53	4 54	7 12	1 3
27	Fr	☿ Gr. Hel. Lat. N.	♏	4 24	7 42	1 30	3	4 29	7 37	1 33	4 54	7 12	1 48
28	Sa	Rio Grande R. flood (255d), 1954	♐	4 24	7 42	2 15	3	4 29	7 37	2 19	4 54	7 12	2 36
26. 4th Sunday after Trinity		**Luke 6**	**Day's length 15h. 18m.**					**15h. 7m.**			**14h. 17m.**		
29	Su	☌ ♄ ☾ ☋	♐	4 24	7 42	3 6	3	4 29	7 36	3 9	4 55	7 12	3 29
30	Mo	1st Round-World Com. Flight ended, '47	♐	4 25	7 42	4 2	4	4 30	7 36	4 6	4 55	7 12	4 26

WEATHER FORECAST FOR JUNE

1st to 3rd—Pleasant in the Ohio valley, Great Lakes area and upper Atlantic states, with cool days and moonlight nights. Sunny in the Mississippi valley and most western parts, turning unsettled.

4th to 7th—Clearing and colder on the Pacific slope and over the plains. Thunder storms in central and southeast states, blustery in the northeast.

8th to 11th—Violent thunder storms from the Rockies to the Mississippi valley, wind squalls on the west coast. Fair and warmer in the Atlantic states with scattered thunder storms.

12th to 15th—Gales on the east coast and along the Great Lakes. Wind storms in central and blustery on the western prairies. Dust storms in the southwest, pleasant in the northwest.

16th to 19th—Unsettled in the Missouri River valley and upper Pacific area, pleasant in California with cool westerly winds. Thunder storms in the Mississippi valley and over the plains, local showers in eastern states.

20th to 23rd—Clear skies and warmer in the Ohio valley, Great Lakes area and upper Atlantic states, hot in the south. Fair at first in central and western states, followed by violent thunder storms, gales on the west coast.

24th to 27th—Slowly clearing on the Pacific slope and in the Prairie states. Windy in the Mississippi valley and violent storms eastward to the Atlantic.

28th to 30th—Fine weather in northeast, fogs along coast, sunny and hot in the south. Mostly fair in central states and westward to Rockies, scattered thunder storms. Blustery on west coast.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on June 3, 4, 8, 9, 13, 14, 18, 19, 24, 25, 26, 27. Do not plant on June 1, 2, 5, 6, 7, 10, 11, 12, 15, 16, 17, 20, 21, 22, 23, 28, 29, 30.

JULY

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30
	31

1958 July 1958

7th Month — 31 Days

July named in honor of Julius Caesar, the greatest of Roman statesmen, who was born on the twelfth of this month.

MOON'S PHASES

	EASTERN	CENTRAL	MOUNTAIN	PACIFIC
F.M.	1 1 04 M	1 0 04 M	30 11 04 A	30 10 04 A
L.Q.	8 7 21 A	8 6 21 A	8 5 21 M	8 4 21 A
N.M.	16 1 33 A	16 0 33 A	16 11 33 M	16 10 33 M
F.Q.	23 9 19 M	23 8 19 M	23 7 19 M	23 6 19 M
F.M.	30 11 47 M	30 10 47 M	30 9 47 M	30 8 47 M

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

SUN SLOW

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon rises H M	M	Sun rises H M	Sun sets H M	Moon rises H M	Sun rises H M	Sun sets H M	Moon rises H M
1	Tu	1. Klondike rush started, 1897	♈	4 25	7 41	7 52	4	4 30	7 36	7 48	4 55	7 12	7 30
2	We	Women's Suffrage in Eng., 1928	♉	4 26	7 41	8 33	4	4 31	7 36	8 29	4 56	7 12	8 14
3	Th	Dog Days begin	♊	4 27	7 41	9 9	4	4 32	7 36	9 6	4 56	7 12	8 54
4	Fr	*Independence Day*	♊	4 27	7 41	9 40	4	4 32	7 36	9 38	4 57	7 11	9 30
5	Sa	*Hebrew Fast of Tammuz*, ⊕ in Aphelion	♋	4 28	7 41	10 10	4	4 33	7 35	10 9	4 57	7 11	10 5
27.		**5th Sunday after Trinity** — Luke 5 — Day's length 15h. 12m. — 15h. 2m. — 14h. 13m.											
6	Su	Earthquake in Nevada, 1954	♋	4 28	7 40	10 38	5	4 33	7 35	10 37	4 58	7 11	10 37
7	Mo	Baltimore Cathedral be., 1806	♋	4 29	7 40	11 5	5	4 34	7 35	11 6	4 58	7 11	11 9
8	Tu	8. ☾ in Apogee	♌	4 30	7 40	11 33	5	4 35	7 34	11 34	4 59	7 11	11 41
9	We	☌ ♂ ☾, ♂ in Perihelion — ☾ in ♍	♌	4 30	7 39	morn	5	4 36	7 34	morn	4 59	7 10	morn
10	Th	☌ ☿ ♁	♍	4 31	7 39	12 4	5	4 36	7 33	12 6	5 0	7 10	12 16
11	Fr	Canadian Snow Avalanche (7d), 1955	♍	4 31	7 38	12 37	5	4 37	7 33	12 39	5 0	7 10	12 54
12	Sa	1st U. S. Postage Stamp sold, 1847	♍	4 32	7 38	1 13	6	4 38	7 33	1 17	5 1	7 10	1 33
28.		**6th Sunday after Trinity** — Matt. 5 — Day's length 15h. 4m. — 14h. 54m. — 14h. 8m.											
13	Su	California Train Crash (10d), 1955	♎	4 33	7 37	1 56	6	4 38	7 32	1 59	5 1	7 9	2 18
14	Mo	☌ ☿ ☾, Ψ stationary — ♎	♎	4 34	7 37	2 44	6	4 39	7 32	2 48	5 2	7 9	3 8
15	Tu	*St. Swithin's Day*, □ ♃ ☉	♏	4 34	7 36	3 39	6	4 40	7 31	3 43	5 2	7 9	4 2
16	We	16. Russian Farmers in U.S., '55	♏	4 35	7 36	sets	6	4 41	7 31	sets	5 3	7 8	sets
17	Th	☌ ♁ ☾	♐	4 36	7 35	7 58	6	4 41	7 30	7 56	5 4	7 8	7 42
18	Fr	☌ ☿ ☾	♐	4 37	7 34	8 34	6	4 42	7 29	8 35	5 4	7 8	8 23
19	Sa	Dr. Chas. H. Mayo born, 1865.	♑	4 38	7 34	9 10	6	4 43	7 29	9 9	5 5	7 7	9 4
29.		**7th Sunday after Trinty** — Mark 8 — Days' length 14h. 54m. — 14h. 44m. — 14h. 1 m.											
20	Su	☿ in ♍	♑	4 39	7 33	9 44	6	4 44	7 28	9 44	5 6	7 7	9 43
21	Mo	☾ in Perigee	♒	4 40	7 32	10 18	6	4 45	7 27	10 18	5 6	7 6	10 22
22	Tu	☌ ♃ ☾	♒	4 41	7 31	10 53	6	4 45	7 27	10 55	5 7	7 6	11 4
23	We	23. ☌ Ψ ☾ — ☾ in ♌	♒	4 42	7 30	11 32	6	4 46	7 26	11 35	5 7	7 5	11 47
24	Th	U. S. Steel Strike ended, 1952	♏	4 43	7 29	morn	6	4 47	7 25	morn	5 8	7 5	morn
25	Fr	□ Ψ ☉ [E. 27° 6′.	♏	4 44	7 28	12 14	6	4 48	7 24	12 17	5 8	7 4	12 33
26	Sa	*Hebrew Fast of Av.* ☌ ♄ ☾, ☿ Gr. Elong.	♐	4 45	7 27	1 1	6	4 49	7 23	1 4	5 9	7 3	1 23
30.		**8th Sunday after Trinity** — Matt. 7 — Day's length 14h. 40m. — 14h. 32m. — 13h. 53m.											
27	Su	□ ☌ ☉	♐	4 46	7 26	1 53	6	4 50	7 22	1 57	5 10	7 3	2 17
28	Mo	Rock fall at Niagara Falls, 1954	♑	4 47	7 25	2 49	6	4 51	7 21	2 52	5 11	7 2	3 14
29	Tu	Drought in China, 1955	♑	4 48	7 24	3 51	6	4 51	7 21	3 54	5 11	7 1	4 13
30	We	30. ☿ in Aphelion	♒	4 49	7 23	4 52	6	4 52	7 20	4 55	5 12	7 0	5 11
31	Th	N. Y. Elevated torn down, 1955	♒	4 50	7 22	5 55	6	4 53	7 19	5 57	5 13	6 59	6 9

WEATHER FORECAST FOR JULY

1st to 3rd—Unsettled and blustery in the Ohio valley and upper Atlantic area, rains in the Gulf state. Fair and hot in the Mississippi valley and over the western plains, pleasant in California, Oregon and Washington.

4th to 7th—Mostly fair in western sections with violent thunder storms the first of the week at many points. Clear skies in central and eastern states with higher temperatures.

8th to 11th—Gales along the Atlantic coast and violent squalls on the Great Lakes. Thunder storms in the mid-west, fair and warmer on the Pacific slope, windy on the northern plateau.

12th to 15th—Fair in most western sections with thunder storms and blustery squalls early in the week. Mostly clear skies in central and eastern states, fogs in New England, rainy season in the southeast.

16th to 19th—Partly cloudy in Ohio valley and northeast states with scattered thunder storms, pleasant in the lower Atlantic area with frequent rains. Fair in Mississippi valley and over plains, becoming unsettled and blustery, dry in southwest.

20th to 23rd—Thunder storms from the Rockies to the Mississippi valley, wind storms on the west coast. Stormy and wet in central and eastern sections, gales along the Atlantic.

24th to 27th—Fair and cooler in the northeast with heavy fogs on coast, hot in central and south Atlantic states with scattered thunder storms, pleasant in central and western states.

28th to 31st—Unsettled in the Missouri River valley and westward to the coast, becoming fair and cooler by mid-week. Thunder storms in the Mississippi valley, hot in the southwest. Mostly sunny and hot in eastern states.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on July 1, 2, 5, 6, 7, 10, 11, 12, 15, 16, 21, 22, 23, 24, 25, 28, 29.

Do not plant on July 3, 4, 8, 9, 13, 14, 17, 18, 19, 20, 26, 27, 30, 31.

AUGUST

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30
	31

1958 August 1958

8th Month — 31 Days

August was named in honor of the Roman Emperor Augustus Caesar, he having been made consul in this month.

MOON'S PHASES

	EASTERN D. H. M	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
L.Q.	7 0 49 A	7 11 49 M	7 10 49 M	7 9 49 M
N.M.	14 10 33 A	14 9 33 A	14 8 33 A	14 7 33 A
F.Q.	21 2 45 A	21 1 45 A	21 0 45 A	21 11 45 M
F.M.	29 0 53 M	28 11 53 A	28 10 53 A	28 9 53 A

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

SUN SLOW

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon rises H M	M	Sun rises H M	Sun sets H M	Moon rises H M	Sun rises H M	Sun sets H M	Moon rises H M
1	Fr	Indo-China Truce in effect, 1954	♒	4 51	7 21	8 11	6	4 54	7 17	8 9	5 14	6 59	8 4
2	Sa	U. S. Heat Wave (62d), 1955	♓	4 52	7 20	8 40	6	4 55	7 16	8 39	5 14	6 58	8 37
31.		**9th Sunday after Trinity** — **Luke 15** — **Day's length 14h. 26m.** — **14h. 19m.** — **13h. 42m.**											
3	Su	U. S. Flag first raised (Ft. Stanwix), 1777	♓	4 53	7 19	9 8	6	4 56	7 15	9 8	5 15	6 57	9 9
4	Mo	☌ ♃ ☉	♈	4 54	7 18	9 35	6	4 57	7 14	9 36	5 15	6 56	9 42
5	Tu	☾ in Apogee — ☾ in ♉	♈	4 55	7 16	10 4	6	4 59	7 12	10 6	5 16	6 55	10 15
6	We	*Transfiguration*	♉	4 56	7 15	10 36	6	5 0	7 11	10 38	5 17	6 55	10 49
7	Th	☍ .7 ☌ ♂ ☾	♉	4 57	7 14	11 10	6	5 1	7 10	11 13	5 18	6 54	11 29
8	Fr	☿ stationary	♉	4 58	7 12	11 50	6	5 2	7 9	11 54	5 18	6 53	morn
9	Sa	☿ in Ω	♊	4 59	7 11	morn	5	5 3	7 8	morn	5 19	6 52	12 11
32.		**10th Sunday after Trinity** — **Luke 19** — **Day's length 14h. 10m.** — **14h. 2m.** — **13h. 32m.**											
10	Su	Smithsonian Institute est., 1846	♊	5 0	7 10	12 35	5	5 4	7 6	12 38	5 19	6 51	12 58
11	Mo	Dog Days end	♋	5 1	7 9	1 26	5	5 5	7 5	1 29	5 20	6 50	1 49
12	Tu	U. S. E. Coast Hurricane (43d), 1955	♋	5 2	7 7	2 23	5	5 6	7 4	2 26	5 21	6 49	2 45
13	We	☌ ☿ ☾	♋	5 3	7 6	3 26	5	5 6	7 2	3 30	5 22	6 48	3 46
14	Th	*14.* ☌ ♃ ☾	♌	5 4	7 4	sets	5	5 7	7 1	sets	5 23	6 47	sets
15	Fr	*Assumption B. V. M.* ☌ ☿ ☾	♌	5 5	7 3	7 8	4	5 8	7 0	7 6	5 23	6 46	6 59
16	Sa	Pope's Peace Appeal, 1917	♍	5 6	7 2	7 43	4	5 9	6 58	7 42	5 24	6 45	7 40
33.		**11th Sunday after Trinity** — **Luke 18** — **Day's length 13h. 53m.** — **13h. 47m.** — **13h. 20m.**											
17	Su	☾ in Perigee	♍	5 7	7 0	8 18	4	5 10	6 57	8 19	5 24	6 44	8 21
18	Mo	1st Iron Smelted by Electricity, 1909	♎	5 8	6 59	8 55	4	5 11	6 56	8 56	5 25	6 43	9 3
19	Tu	☌ ♃ ☾, ☌ ♆ ☾ — ☾ in Ω	♎	5 9	6 57	9 32	4	5 12	6 54	9 34	5 26	6 42	9 46
20	We	☿ Gr. Hel. Lat. South	♏	5 10	6 56	10 14	3	5 13	6 53	10 17	5 26	6 41	10 32
21	Th	*21.* Mark Twain, auth., d., 1910	♏	5 12	6 54	11 0	3	5 14	6 52	11 4	5 27	6 39	11 22
22	Fr	Mona Lisa stolen, 1911	♐	5 13	6 52	11 50	3	5 15	6 50	11 54	5 28	6 38	morn
23	Sa	☌ ♄ ☾, ☌ ☿ ☉, Inf., ♄ stationary	♐	5 14	6 51	morn	3	5 16	6 49	morn	5 28	6 37	12 14
34.		**12th Sunday after Trinity** — **Mark 7** — **Day's length 13h. 34m.** — **13h. 30m.** — **13h. 6m.**											
24	Su	U. S. Hawaiian Treaty Rat., 1850	♑	5 15	6 49	12 45	2	5 17	6 47	12 49	5 29	6 35	1 9
25	Mo	☌ ♇ ☉	♑	5 16	6 47	1 43	2	5 18	6 45	1 46	5 30	6 34	2 5
26	Tu	☌ ♀ ♁	♒	5 17	6 46	2 44	2	5 20	6 44	2 47	5 30	6 33	3 4
27	We	First Sea Battle, 665 B. C.	♒	5 18	6 44	3 40	1	5 21	6 42	3 46	5 31	6 32	4 1
28	Th	*28. (C.S.T.).*	♒	5 19	6 43	rises	1	5 22	6 40	rises	5 32	6 31	rises
29	Fr	*29. (E.S.T.).*	♓	5 20	6 41	6 42	1	5 23	6 39	6 40	5 32	6 30	6 37
30	Sa	1st Food Inspection Act, 1890	♓	5 21	6 39	7 10	1	5 24	6 37	7 10	5 33	6 28	7 10
35.		**13th Sunday after Trinity** — **Luke 10** — **Day's length 13h. 16m.** — **13h. 10m.** — **12h. 54m.**											
31	Su	Boston N. Church Steeple fell, 1954	♈	5 22	6 38	7 38	0	5 25	6 35	7 38	5 33	6 27	7 42

WEATHER FORECAST FOR AUGUST

1st to 3rd—Clear skies on Pacific slope and eastward over the plains, dry in the southwest. Pleasant vacation weather in northeast sections, cool breezes on the coast. Hot in south.

4th to 7th—Unsettled in the Mississippi valley and westward with scattered thunder storms, clearing by mid-week. Blustery in the Ohio valley, Great Lakes area and north Atlantic states, thunder storms in the southeast.

8th to 11th—Fair in Oregon and Washington, becoming unsettled and blustery, dust storms in the southwest. Windy in the central and mid-western states, pleasant in eastern areas.

12th to 15th—Pleasant in the Great Lakes and New England states, but windy, thunder storms in the southeast. Fair at first in the Mississippi valley and westward, turning blustery and unsettled.

16th to 19th—Severe storms in Oregon and Washington, moving into central states the first of the week, blustery in the southwest. Pleasant in most eastern sections becoming stormy. Tornado weather in the south.

20th to 23rd—Hot and dry in the Ohio valley and north Atlantic sections, thunder storms in the Gulf states. Clear skies in the Mississippi valley and over the western plains, cool on the Pacific slope, blustery squalls later in the week.

24th to 27th—Unsettled in eastern sections, turning fair and cooler, dry in the Gulf states. Hot in central and western areas, cool westerly winds on the west coast.

28th to 31st—Stormy in the Pacific states and thunder storms over the western prairies. Fair in the Mississippi valley and eastward, turning stormy over the week end.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on August 2, 3, 7, 8, 11, 12, 13, 18, 19, 20, 21, 24, 25, 29, 30. Do not plant on August 1, 4, 5, 6, 9, 10, 14, 15, 16, 17, 22, 23, 26, 27, 28, 31.

SEPTEMBER

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30

1958 September 1958

9th Month — 30 Days

September derives its name from the Latin word *Septem*, (seven), as this was the seventh month of the Old Roman Year. The Autumnal Equinox occurs in this Month.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
L.Q.	6 5 24 M	6 4 24 M	6 3 24 M	6 2 24 M
N.M.	13 7 02 M	13 6 02 M	13 5 02 M	13 4 02 M
F.Q.	19 10 17 A	19 9 17 A	19 8 17 A	19 7 17 A
F.M.	27 4 43 A	27 3 43 A	27 2 43 A	27 1 43 A

LATITUDE Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

LATITUDE Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon rises H M	SUN FAST M	Sun rises H M	Sun sets H M	Moon rises H M	Sun rises H M	Sun sets H M	Moon rises H M
1	Mo	*Labor Day.* ☿ Stationary ☾ in ♉	♈	5 24	6 36	8 7	0	5 26	6 34	8 8	5 34	6 26	8 15
2	Tu	☾ in Apogee	♈	5 25	6 34	8 36	0	5 27	6 32	8 39	5 34	6 24	8 50
3	We	1st Issue of N. Y. Sun, 1833	♉	5 26	6 32	9 9	1	5 27	6 31	9 12	5 35	6 23	9 27
4	Th	☌ ☍ ☾ (close), ☌ ☿ ♀	♉	5 27	6 31	9 47	1	5 28	6 29	9 50	5 36	6 22	10 7
5	Fr	Calif. Heat Wave (100d), 1955	♊	5 28	6 30	10 29	1	5 29	6 28	10 32	5 37	6 20	10 50
6	Sa	*6.* Manila Anti-Red Conf., 1954	♊	5 29	6 28	11 15	2	5 30	6 26	11 19	5 37	6 19	11 39

36. 14th Sunday after Trinity — Luke 17 — Day's length 12h. 56m. — 12h. 53m. — 12h. 40m.

7	Su	California Forest Fires, 1955	♊	5 30	6 26	morn	2	5 31	6 24	morn	5 38	6 18	morn
8	Mo	☿ in ☊	♋	5 31	6 24	12 8	2	5 32	6 23	12 12	5 38	6 17	12 31
9	Tu	☿ Greatest Elong. W. 17° 59′	♋	5 32	6 22	1 8	3	5 33	6 21	1 12	5 39	6 15	1 30
10	We	Earthquake in Cairo(10d), 1955, ☌ ☊ ☾	♌	5 33	6 20	2 12	3	5 34	6 19	2 15	5 40	6 14	2 30
11	Th	♀ in Perihelion [☿ in Perihelion	♌	5 34	6 19	3 20	3	5 35	6 18	3 22	5 40	6 13	3 34
12	Fr	*Defense D.* ☌ ☿ ☾, ☌ ♀ ☾, □ ♄ ☉,	♍	5 35	6 17	4 32	4	5 36	6 16	4 33	5 41	6 11	4 40
13	Sa	*13.* E. Coast Dock Strike, 1955	♍	5 36	6 15	sets	4	5 37	6 14	sets	5 42	6 10	sets

37. 15th Sunday after Trinity — Matt. 6 — Day's length 12h. 36m. — 12h. 35m. — 12h. 27m.

14	Su	*Holy Cross Day,* ☾ in Perigee	♎	5 37	6 13	6 51	4	5 38	6 13	6 52	5 42	6 9	6 27
15	Mo	*Hebrew New Year* ☾ in ☊	♎	5 38	6 12	7 30	5	5 39	6 11	7 32	5 43	6 7	7 42
16	Tu	☌ ♃ ☾ (close), ☌ ♆ ☾	♏	5 40	6 10	8 11	5	5 41	6 9	8 14	5 44	6 6	8 28
17	We	*Citizenship D., Ember D., Hebrew Fast*	♏	5 41	6 8	8 57	6	5 42	6 7	9 1	5 44	6 5	9 17
18	Th	☌ ☿ ♀ (close) [*of Gedalia*	♐	5 42	6 6	9 48	6	5 43	6 5	9 51	5 45	6 4	10 10
19	Fr	*19. Ember Day.* ☌ ♄ ☾	♐	5 43	6 5	10 42	6	5 44	6 4	10 46	5 46	6 2	11 5
20	Sa	*Ember Day*	♑	5 44	6 3	11 39	7	5 45	6 2	11 43	5 46	6 1	morn

38. 16th Sunday after Trinity — Luke 7 — Day's length 12h. 16m. — 12h. 14m. — 12h. 13m.

21	Su	Greece-Turkey joined Atl. Pact, 1951	♑	5 45	6 1	morn	7	5 46	6 0	morn	5 47	6 0	12 2
22	Mo	R. A. F. bombed Brest, France, 1943	♑	5 46	5 59	12 38	7	5 47	5 59	12 42	5 47	5 58	12 59
23	Tu	Autumn begins ☉ enters ♎	♒	5 47	5 57	1 39	8	5 48	5 57	1 42	5 48	5 57	1 56
24	We	*Hebrew Yom Kippur*	♒	5 48	5 56	2 39	8	5 48	5 55	2 41	5 49	5 55	2 54
25	Th	Columbus started 2nd Voyage, 1493	♓	5 49	5 54	3 39	8	5 49	5 54	3 40	5 49	5 54	3 48
26	Fr	☌ ♃ ♆	♓	5 50	5 52	4 37	9	5 50	5 52	4 38	5 50	5 53	4 41
27	Sa	*27.* 1st Liberty Ship Launch., '42	♓	5 51	5 50	rises	9	5 51	5 50	rises	5 51	5 51	rises

39. 17th Sunday after Trinity — Luke 14 — Day's length 11h. 57m. — 11h. 57m. — 11h. 58m.

28	Su	*Gold Star Mothers' Day*	♈	5 52	5 49	6 10	9	5 52	5 49	6 10	5 52	5 50	6 16
29	Mo	*Hebrew Succoth.* ☾ in Apogee ☾ in ♉	♈	5 53	5 47	6 39	10	5 53	5 47	6 41	5 52	5 49	6 51
30	Tu	French bolted U. N. Assembly, 1955	♉	5 54	5 45	7 11	10	5 54	5 45	7 13	5 53	5 48	7 26

WEATHER FORECAST FOR SEPTEMBER

1st to 3rd—Clearing and cooler in the northwest with morning fogs along the coast, pleasant over the plains, thunder storms in the southwest. Blustery in central and eastern states.

4th to 7th—Pleasant in the Ohio valley, along the Great Lakes and into New England, dry in the lower Atlantic states. Fair at first in the Mississippi valley and over the prairie states, turning windy and unsettled. Wind squalls in the Rockies and on the Pacific slope.

8th to 11th—Stormy in the west, with gales on the coast and sand storms in the southwest. Continued fair weather in central and eastern states, becoming stormy and windy.

12th to 15th—Severe storms in the Ohio valley, along the Great Lakes and into the north Atlantic area, hurricane weather in the southeast. Stormy in central and western sections, turning fair and cold.

16th to 19th—Fine autumn weather in the Mississippi valley and westward to the Rockies, becoming unpleasant and blustery. Pleasant on the Pacific slope, fair in most eastern sections.

20th to 23rd—Unsettled in northeast sections, rain in the Appalachians, squalls in the lower Atlantic and Gulf states. Clearing and cooler in most central and western parts, fog on the west coast.

24th to 27th—Severe storms in the Rockies and eastward over the plains, heavy seas along the Pacific. Mostly clear skies in the Mississippi valley and Atlantic states, with bright Harvest Moon.

28th to 30th—Rain and wind in the Ohio valley, along the Great Lakes and in the northeast states, blustery in the south. Pleasant in central and western sections.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on Sept. 3, 4, 8, 9, 14, 15, 16, 17, 20, 21, 22, 25, 26, 27, 30. Do not plant on Sept. 1, 2, 5, 6, 7, 10, 11, 12, 13, 18, 19, 23, 24, 28, 29..

OCTOBER

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30
	31

1958 October 1958

10th Month — 31 Days

October comes from the Latin word *Octo*, meaning eighth. By the addition of January and February it became the tenth month but retained its name.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
L.Q.	5 8 20 A	5 7 20 A	5 6 20 A	5 5 20 A
N.M.	12 3 56 A	12 2 56 A	12 1 56 A	12 0 56 A
F.Q.	19 9 07 M	19 8 07 M	19 7 07 M	19 6 07 M
F.M.	27 10 41 M	27 9 41 M	27 8 41 M	27 7 41 M

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

SUN FAST

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon rises H M	M	Sun rises H M	Sun sets H M	Moon rises H M	Sun rises H M	Sun sets H M	Moon rises H M
1	We	U. S. Dock Workers Strike, 1953	♉	5 56	5 43	7 47	10	5 55	5 44	7 50	5 54	5 46	8 5
2	Th	☌ ♂ ☾	♉	5 57	5 41	8 26	11	5 56	5 42	8 30	5 54	5 45	8 48
3	Fr	♀ Gr. Hel. Lat. N.	♊	5 58	5 40	9 10	11	5 57	5 40	9 14	5 55	5 43	9 33
4	Sa	1st Sun-powered Telephone, 1955 ⏢	♊	5 59	5 38	10 0	11	5 58	5 39	10 4	5 55	5 42	10 23
40. 18th Sunday after Trinity — Matt. 22 — Day's length 11h. 36m. — 11h. 37m. — 11h. 45m.													
5	Su	☾	♋	6 0	5 36	10 56	12	6 0	5 37	10 59	5 56	5 41	11 17
6	Mo	5. ☌ ☿ ☉, superior Wyoming Plane Crash (66d), '55	♋	6 1	5 35	11 56	12	6 1	5 35	11 59	5 57	5 40	morn
7	Tu	Floods in New Mexico (8d), 1954	♌	6 2	5 33	morn	12	6 2	5 33	morn	5 58	5 38	12 15
8	We	☌ ♁ ☾	♌	6 4	5 31	12 59	12	6 3	5 32	1 2	5 58	5 37	1 14
9	Th	*Fire Prevention Day*, ♂ stationary	♌	6 5	5 29	2 8	13	6 4	5 30	2 10	5 59	5 36	2 19
10	Fr	U. S. Naval Academy Opened, 1845	♍	6 6	5 28	3 18	13	6 5	5 29	3 19	5 59	5 35	3 24
11	Sa	D. A. R. Organized, 1890	♍	6 7	5 26	4 32	13	6 6	5 27	4 32	6 0	5 34	4 32
41. 19th Sunday after Trinity — Matt. 9 — Day's length 11h. 16m. — 11h. 18m. — 11h. 31m.													
12	Su	*12. Columbus D.*, ☌ ☿ ☾, ☾ in Per.	♎	6 8	5 24	sets	14	6 7	5 25	sets	6 1	5 32	sets
13	Mo	☌ ☿ ☾, ☌ ♆ ☾, ☌ ♃ ☾ (close) ☾ in ♌	♎	6 9	5 22	6 2	14	6 8	5 24	6 4	6 2	5 30	6 16
14	Tu	Allies Capture Kumchow, Korea, 1950	♏	6 10	5 20	6 48	14	6 9	5 22	6 51	6 3	5 29	7 6
15	We	Indiana Bus Crash (6d), 1955	♏	6 12	5 19	7 38	14	6 11	5 21	7 41	6 3	5 28	7 59
16	Th	☿ in ♍, ☌ ♄ ☾	♐	6 13	5 18	8 32	14	6 12	5 19	8 36	6 4	5 27	8 57
17	Fr	British burn Falmouth, Mass., 1775 ♃	♐	6 14	5 16	9 30	15	6 13	5 18	9 34	6 4	5 26	9 53
18	Sa	Cyprus Anti-British Riots, 1955	♑	6 15	5 15	10 30	15	6 14	5 16	10 34	6 5	5 25	10 52
42. 20th Sunday after Trinity — Matt. 22 — Day's length 10h. 57m. — 11h. 0m. — 11h. 18m.													
19	Su	*19.* ☌ ☿ ♆	♑	6 16	5 13	11 32	15	6 15	5 15	11 35	6 6	5 24	11 50
20	Mo	Soft Coal Strike in U. S., 1951	♒	6 17	5 11	morn	15	6 16	5 13	morn	6 6	5 22	morn
21	Tu	Battle of Trafalgar, 1805	♒	6 19	5 10	12 33	15	6 17	5 12	12 35	6 7	5 21	12 48
22	We	☌ ☿ ♃	♓	6 20	5 8	1 32	16	6 18	5 11	1 34	6 8	5 20	1 42
23	Th	Saar Vote Rebuffs France, 1955	♓	6 22	5 7	2 31	16	6 19	5 9	2 31	6 9	5 19	2 36
24	Fr	*United Nations Day*	♓	6 23	5 6	3 29	16	6 20	5 8	3 29	6 10	5 17	3 30
25	Sa	S. Viet Nam. Rep. formed, 1955	♈	6 24	5 4	4 26	16	6 22	5 6	4 25	6 11	5 16	4 23
43. 21th Sunday after Trinity — John 4 — Day's length 10h. 37m. — 10h. 41m. — 11h. 4m.													
26	Su	*Christ, the King.* ☿ in Ap., ☾ in A.	♈	6 25	5 2	5 24	16	6 23	5 4	5 22	6 12	5 16	5 15
27	Mo	*27. Adenauer in U.S., '54* ☾ in ♉	♉	6 26	5 1	rises	16	6 24	5 3	rises	6 13	5 15	rises
28	Tu	☌ ☿ ☉	♉	6 27	5 0	5 47	16	6 26	5 2	5 50	6 14	5 14	6 5
29	We	Zwinglius, ☌ ♂ ☾	♉	6 29	4 58	6 25	16	6 27	5 0	6 29	6 14	5 13	6 46
30	Th	London Tower Fire, 1841	♊	6 30	4 57	7 8	16	6 28	4 59	7 11	6 15	5 12	7 30
31	Fr	*Hallowe'en*, ☌ ♀ ♆ ⏢	♊	6 32	4 55	7 56	16	6 29	4 58	7 59	6 16	5 11	8 18

WEATHER FORECAST FOR OCTOBER

1st to 3rd—Unsettled along the Pacific slope with snow squalls in the mountains to the east, very windy in the prairie states and along the Mississippi valley. Fair in eastern parts, turning windy and wet in the northeast, blustery in the south.

4th to 7th—Clearing and colder along Missouri River valley and in Oregon and Washington, with heavy frosts. Pleasant in California, with fogs on coast. Windy and wet in eastern states.

8th to 11th—Dangerous gales on the Pacific coast, violent squalls in the Rockies and over the western plains. Rains in the Mississippi valley, unsettled along the Ohio valley, Great Lakes area and New England, worsening by the week end. Rains in central and south Atlantic states.

12th to 15th—Clearing and colder in western states as the storm area moves eastward. Rains in central and eastern areas, turning sunny and colder.

16th to 19th—Unsettled in northwestern sections, clearing over the week end, pleasant in the southwest. Local storms in central and eastern states.

20th to 23rd—Fine autumn weather in the Ohio valley and upper Atlantic states, turning blustery. Fair at first in the Mississippi valley and westward, turning stormy and wet.

24th to 27th—Pleasant weather on the Pacific slope and over the western plains, with heavy frosts and bright Hunter's Moon. Mostly stormy in the Mississippi valley and eastward, with scattered rains.

28th to 31st—Showers in the Pacific states and squalls on the western prairies. Pleasant in central sections and eastward to the Atlantic, turning unsettled late in the week.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on Oct. 1, 2, 5, 6, 12, 13, 14, 15, 18, 19, 22, 23, 24, 27, 28, 29.

Do not plant on Oct. 3, 4, 7, 8, 9, 10, 11, 16, 17, 20, 21, 25, 26, 30, 31.

NOVEMBER

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30

1958 November 1958

11th Month — 30 Days

November was derived from the Latin word *(Novem)*, meaning nine and was the ninth month until January and February was added to the Old Roman Year.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
L.Q.	4 9 19 M	4 8 19 M	4 7 19 M	4 6 19 M
N.M.	11 1 34 M	11 0 34 M	10 11 34 A	10 10 34 A
F.Q.	17 11 59 A	17 10 59 A	17 9 59 A	17 8 59 A
F.M.	26 5 16 M	26 4 16 M	26 3 16 M	26 2 16 M

LATITUDE Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

LATITUDE Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

SUN FAST

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon rises H M	.M	Sun rises H M	Sun sets H M	Moon rises H M	Sun rises H M	Sun sets H M	Moon rises H M
1	Sa	*All Saints' Day*	♋	6 32	4 54	8 48		6 30	4 56	8 51	6 17	5 10	9 10
		44. 22nd Sunday after Trinity Matt. 18 Day's length 10h. 19m. 10h. 25m. 10h. 51m.											
2	Su	1st Hydrogen Bomb Exploded, 1952	♋	6 34	4 53	9 46		6 31	4 55	9 50	6 18	5 9	10 6
3	Mo	*All Souls' Day.*	♋	6 35	4 52	10 47		6 32	4 54	10 51	6 18	5 8	11 4
4	Tu	*4.* General Elections, ☌ ♃ ☾	♌	6 36	4 50	11 50		6 34	4 53	11 52	6 19	5 7	morn
5	We	Utah Mine Explosion (8d), 1953	♌	6 38	4 49	morn		6 35	4 52	morn	6 20	5 7	12 4
6	Th	☌ ☿ ♃ (close)	♍	6 39	4 48	12 58		6 36	4 51	12 59	6 21	5 6	1 6
7	Fr	Battle of Tippecanoe, 1811	♍	6 40	4 47	2 7		6 37	4 50	2 8	6 22	5 5	2 11
8	Sa	♂ in ♌, ♂ nearest ⊕, □ ♁ ⊙	♎	6 42	4 46	3 19		6 38	4 49	3 18	6 23	5 4	3 16
		45. 23rd Sunday after Trinity Matt. 9 Day's length 10h. 2m. 10h. 9m. 10h. 40m.											
9	Su	Kaiser Wilhelm Abdicated, '18 ☾ in ♌	♎	6 43	4 45	4 33		6 39	4 48	4 31	6 24	5 4	4 24
10	Mo	☌ ♆ ☾, ☌ ♃ ☾, ☌ ☿ ☾, ☾ in Peri.	♏	6 44	4 43	5 48		6 40	4 47	5 46	6 25	5 3	5 34
11	Tu	*11. Veterans Day,* ☌ ☿ ☾ Sup.	♏	6 45	4 42	sets		6 42	4 46	sets	6 25	5 2	sets
12	We	☌ ☿ ☾	♐	6 47	4 41	6 16		6 43	4 45	6 19	6 26	5 1	6 39
13	Th	☌ ♄ ☾	♐	6 48	4 40	7 14		6 44	4 44	7 17	6 27	5 1	7 37
14	Fr	Cloudburst in Key West (20 miss.), '54	♑	6 49	4 39	8 16		6 45	4 43	8 19	6 28	5 0	8 38
15	Sa	Philippine Republic Established, 1935	♑	6 50	4 38	9 19		6 45	4 42	9 22	6 29	5 0	9 39
		46. 24th Sunday after Trinity John 6 Day's length 9h. 45m. 9h. 53m. 10h. 29m.											
16	Su	☌ ♂ ⊙, ☿ Gr. Hel. Lat. S.	♒	6 52	4 37	10 22		6 48	4 41	10 24	6 30	4 59	10 38
17	Mo	*17.* 1st Congress in Wash., 1800	♒	6 53	4 37	11 24		6 49	4 40	11 26	6 31	4 59	11 36
18	Tu	Seattle Plane Crash (27d), 1955	♒	6 54	4 36	morn		6 51	4 39	morn	6 32	4 58	morn
19	We	Lincoln's Gettysburg Address, 1863	♓	6 55	4 35	12 23		6 52	4 39	12 24	6 33	4 58	12 30
20	Th	☿ Gr. Elong. E. 22° 13′	♓	6 57	4 34	1 22		6 53	4 38	1 22	6 34	4 57	1 25
21	Fr	Communist Riots in Bombay, 1955	♈	6 58	4 33	2 20		6 54	4 37	2 19	6 35	4 57	2 18
22	Sa	♁ Stationary, ☾ in Apogee	♈	6 59	4 33	3 17		6 55	4 37	3 16	6 36	4 56	3 10
		47. 25th Sunday after Trinity Matt. 24 Day's length 9h. 32m. 9h. 40m. 10h. 19m.											
23	Su	Boat completed N. W. Passage, 1954	♈	7 0	4 32	4 14		6 56	4 36	4 11	6 37	4 56	4 3
24	Mo	Queen Elizabeth in Bermuda, 1953	♉	7 1	4 31	5 11		6 57	4 35	5 8	6 37	4 55	4 55
25	Tu	☌ ♂ ☾	♉	7 2	4 31	6 7		6 58	4 35	6 3	6 38	4 55	5 48
26	We	*26.* Chinese Reds in Korea, '50	♊	7 4	4 30	rises		6 59	4 35	rises	6 39	4 55	rises
27	Th	*Thanksgiving Day*	♊	7 5	4 30	5 52		7 1	4 34	5 56	6 39	4 55	6 15
28	Fr	☿ in ♉	♊	7 6	4 29	6 44		7 2	4 34	6 47	6 40	4 55	7 6
29	Sa	France ended U. N. Boycott, 1955	♋	7 7	4 28	7 40		7 3	4 33	7 43	6 41	4 55	8 1
		48. 1st Sunday in Advent Matt. 21 Day's length 9h. 20m. 9h. 29m. 10h. 12m.											
30	Su	☿ Stationary	♋	7 8	4 28	8 39		7 4	4 33	8 42	6 42	4 54	8 58

WEATHER FORECAST FOR NOVEMBER

1st to 3rd—Blustery in eastern states with snow flurries in the northern Appalachians, showers in the south. Fair and cooler in the Mississippi valley and westward to the Rockies, unsettled on the Pacific slope.

4th to 7th—Severe storms in northwestern areas, spreading east and south. Fair in the Ohio River valley and Atlantic states, turning stormy and wet.

8th to 11th—Strong winds and heavy rains in Mississippi valley and eastward, with blustery squalls along Great Lakes, gales on east coast, clearing in most sections early in week. Mostly fair on western plains and Pacific states, becoming unsettled.

12th to 15th—Local storms in central Atlantic and New England area, pleasant in the Gulf states. Slowly clearing in central and western parts with cold northerly winds. Heavy frosts.

16th to 19th—Windy in the Pacific states, with storm conditions developing early in the week. Snow flurries in the Rockies and over the western plains, showers in the south. Fair at first in central and eastern states, becoming stormy and wet.

20th to 23rd—Stormy in the northeastern states with gales on the coast, squalls in the south. Clearing and colder in the mid-west and along the Pacific slope.

24th to 27th—Fair and colder in eastern states, with moonlight nights and heavy frosts, fogs on the southeast coast. Stormy in western sections with snow in mountains, rain along coast.

28th to 30th—Clearing and colder in the Mississippi valley and over the prairie states, mostly sunny on the west coast. Unsettled and blustery in eastern sections, with snow in New England and along the Great Lakes.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on November 1, 2, 3, 8, 9, 10, 11, 14, 15, 19, 20, 24, 25, 29, 30. Do not plant on November 4, 5, 6, 7, 12, 13, 16, 17, 18, 21, 22, 23, 26, 27, 28.

DECEMBER

1	16
2	17
3	18
4	19
5	20
6	21
7	22
8	23
9	24
10	25
11	26
12	27
13	28
14	29
15	30
	31

1958 December 1958

12th Month — 31 Days

December derives its name from the Latin word *(Decem)*, as this was formerly the tenth month of the Old Roman Year.

MOON'S PHASES

	EASTERN D. H. M.	CENTRAL D. H. M.	MOUNTAIN D. H. M.	PACIFIC D. H. M.
L.Q.	3 8 24 A	3 7 24 A	3 6 24 A	3 5 24 A
N.M.	10 0 23 A	10 11 23 M	10 10 23 M	10 9 23 M
F.Q.	17 6 52 A	17 5 52 A	17 4 52 A	17 3 52 A
F.M.	25 10 54 A	25 9 54 A	25 8 54 A	25 7 54 A

LATITUDE

Of Boston, New England, New York State, S. Michigan, Wisconsin, Iowa, Wyo. and Oregon.

LATITUDE

Of New York City, Philadelphia, Pa., Conn., New Jersey, Ohio, Indiana, Cal., Illinois and Neb.

LATITUDE

Of Charleston, No. & So. Car., Ga., Fla., Ala., Miss., Ark., No. La. and Texas, Arizona, So. Calif.

SUN FAST

D M	D W	HISTORICAL EVENTS	Moon Signs	Sun rises H M	Sun sets H M	Moon rises H M	M	Sun rises H M	Sun sets H M	Moon rises H M	Sun rises H M	Sun sets H M	Moon rises H M
1	Mo	Gas 1st used for Light, 1816	♌	7 10	4 28	9 42	11	7 5	4 33	9 44	6 43	4 54	9 57
2	Tu	☾ ☌ ♂ ☌ ♃	♌	7 11	4 28	10 46	10	7 6	4 32	10 48	6 44	4 54	10 57
3	We	3. Ga. Tech. Seg. Riot, 1955	♍	7 12	4 27	11 53	10	7 7	4 32	11 53	6 45	4 54	11 58
4	Th	John L. Lewis fined $10,000, 1946	♍	7 13	4 27	morn	10	7 8	4 32	morn	6 46	4 54	morn
5	Fr	☿ in ♌ [☾ in ♌	♎	7 14	4 27	1 2	9	7 9	4 32	1 1	6 47	4 54	1 1
6	Sa	Finland became Independent, 1917	♎	7 15	4 27	2 12	9	7 10	4 32	2 11	6 47	4 54	2 6
49. 2nd Sunday in Advent		**Luke 21**		**Day's length 9h. 11m.**				**9h. 21m.**			**10h. 6m.**		
7	Su	☌ ☿ ♀, ☌ ♆ ☾	♏	7 16	4 27	3 23	8	7 11	4 32	3 21	6 48	4 54	3 12
8	Mo	*Conception B. V. M.*, ☌ ☿ ☾, ☾ in Per.	♏	7 17	4 27	4 36	8	7 12	4 32	4 33	6 49	4 54	4 20
9	Tu	☿ in Perihelion, ☌ ☿ ☉ Inf.	♏	7 18	4 27	5 47	8	7 13	4 32	5 43	6 50	4 54	5 26
10	We	10. ☌ ☿ ☾, ☌ ♀ ☾	♐	7 19	4 26	sets	7	7 13	4 32	sets	6 51	4 55	sets
11	Th	☌ ♄ ☾, ☌ ♀ ♄	♐	7 20	4 26	5 55	7	7 14	4 32	5 59	6 51	4 55	6 18
12	Fr	Penn. ratified Constitution, 1787	♑	7 20	4 26	6 59	6	7 15	4 32	7 3	6 52	4 55	7 21
13	Sa	Jerusalem made capital of Israel, 1949	♑	7 21	4 27	8 4	6	7 16	4 32	8 7	6 53	4 55	8 22
50. 3rd Sunday in Advent		**Matt. 11**		**Day's length 9h. 5m.**				**9h. 15m.**			**10h. 2m.**		
14	Su	16 Nations joined U. N., 1955	♒	7 22	4 27	9 8	5	7 17	4 32	9 10	6 53	4 55	9 23
15	Mo	"Sitting Bull" killed, 1890	♒	7 23	4 27	10 10	5	7 17	4 33	10 12	6 54	4 56	10 20
16	Tu	Earthquakes in California, 1952	♓	7 24	4 27	11 11	4	7 18	4 33	11 12	6 54	4 56	11 16
17	We	17. *Ember Day*	♓	7 24	4 28	morn	4	7 19	4 33	morn	6 55	4 56	morn
18	Th	Idlewild Plane Crash (26d), 1954	♈	7 25	4 28	12 9	3	7 19	4 33	12 9	6 56	4 57	12 9
19	Fr	*Ember Day.* ☿ Stationary ☾ in ♉	♈	7 26	4 28	1 7	3	7 20	4 34	1 6	6 57	4 57	1 3
20	Sa	*Ember D.*, ☌ ♄ ☉. ♂ stat., ☾ in Apogee	♈	7 27	4 29	2 5	2	7 20	4 34	2 3	6 57	4 58	1 55
51. 4th Sunday in Advent		**John 1**		**Day's length 9h. 2m.**				**9h. 14m.**			**10h. 0m.**		
21	Su	☌ ♂ ☾	♉	7 27	4 29	3 1	2	7 21	4 35	2 59	6 58	4 58	2 48
22	Mo	Winter begins, ☉ enters ♑	♉	7 27	4 30	3 58	1	7 21	4 35	3 55	6 58	4 59	3 41
23	Tu	Jap War Lords Hanged, 1948	♊	7 28	4 30	4 54	1	7 22	4 36	4 51	6 59	4 59	4 34
24	We	*Vigil of Christmas*	♊	7 28	4 31	5 48	0	7 23	4 36	5 44	6 59	5 0	5 25
25	Th	*25. Christmas Day*	♊	7 28	4 32	rises	Sl.	7 23	4 37	rises	7 0	5 0	rises
26	Fr	Peru Bus Crash (26d), 1954	♋	7 29	4 32	5 33	1	7 23	4 37	5 36	7 0	5 1	5 55
27	Sa	Record N.Y. City Snow (24 in.), 1947	♋	7 29	4 33	6 31	1	7 24	4 38	6 35	7 1	5 2	6 51
52. 1st Sunday after Christmas		**Matt. 1**		**Day's length 9h. 4m.**				**9h. 15m.**			**10h. 1m.**		
28	Su	*Holy Innocents*	♌	7 29	4 33	7 34	2	7 24	4 39	7 37	7 1	5 2	7 51
29	Mo	☌ ♃ ☾, ☿ Gr. Elong. W. 22° 25′	♌	7 29	4 34	8 39	2	7 24	4 39	8 41	7 1	5 3	8 51
30	Tu	Musical Notes invented, 1070	♍	7 30	4 35	9 44	3	7 25	4 40	9 45	7 2	5 3	9 51
31	We	*New Year's Eve*	♍	7 30	4 36	10 52	3	7 25	4 41	10 52	7 2	5 4	10 54

WEATHER FORECAST FOR DECEMBER

1st to 3rd—Severe storms in western states with gales on the coast, snow in the mountains and rain on the Pacific slope. Blustery in central and eastern sections. Snow in the northern Appalachians and showers in the Gulf states.

4th to 7th—Clearing and colder in Pacific states and eastward to Mississippi valley, frosts in south. Dangerous storms in Ohio valley, Great Lakes area and upper Atlantic states, clearing.

8th to 11th—Mostly clear skies in eastern states, turning unsettled and blustery. Scattered showers in central parts and squalls over the plains. Snow squalls in the northwest, showers in California.

12th to 15th—Fine winter weather on the Pacific slope and eastward to the Mississippi valley, becoming stormy early in the week. Clearing in the northeast, sunny in the south.

16th to 19th—Snow storms in New England and rain in the mid-Atlantic and Gulf states. Continued stormy in central and western states, turning fair and colder late in the week.

20th to 23rd—Pleasant winter weather in California and northward to the Canadian border, windy on the western plains, becoming unsettled and wet. Clearing and colder in the east, with frosts down to the Gulf states.

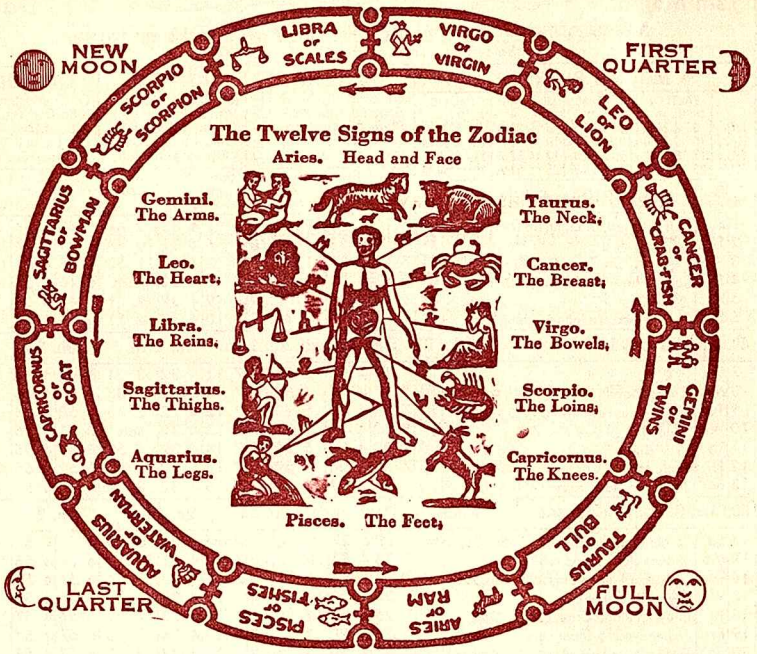
24th to 27th—Mostly fair in the northwest states, clouding up on Saturday, sunny and cool in the southwest. Unsettled and milder in the Mississippi valley, Great Lakes area and upper Atlantic states, pleasant in the southeast with dense fogs.

28th to 31st—Stormy in western states and gales along the Pacific coast. Fair in central and eastern sections, turning stormy early in the week, snow in the north, rains in the south.

PLANTING DAYS ACCORDING TO MOON SIGNS

Plant on Dec. 5, 6, 7, 8, 9, 12, 13, 16, 17, 21, 22, 26, 27. Do not plant on Dec. 1, 2, 3, 4, 10, 11, 14, 15, 18, 19, 20, 23, 24, 25, 28, 29, 30, 31.

SIGNS OF THE ZODIAC



The Zodiac is an imaginary belt or zone of the sky about 16 degrees in width, 8 degrees on each side of the ecliptic (the apparent annual path of the sun). The orbits of the sun, the moon, and the five planets, as known to the ancients who originated the zodiac, were included within the band of 16 degrees. The stars in the zone were arranged in constellations, and since most of these had the figures of animals, the name zodiac, derived from the greek name zoion (animal) was given. There are 12 constellations, and each has its corresponding sign. The zodiac exists only as a convenient means of indicating the positions of the heavenly bodies. The point chosen from which to calculate positions is the point at which the sun crosses the equinoctial from south to north, the vernal equinox. It is known as the first point of Aries, and is one of two equinoctical points, where the line of intersection of the ecliptic and the celestial equator meets the celestial sphere.

RULING PERIODS

March 21 to April 19—Aries
April 20 to May 20—Taurus
May 21 to June 20—Gemini
June 21 to July 22—Cancer
July 23 to August 22—Leo
August 23 to September 22—Virgo
September 23 to October 22—Libra
October 23 to November 22—Scorpio
November 23 to December 21—Sagittarius
December 22 to January 19—Capricorn
January 20 to February 18—Aquarius
February 19 to March 20—Pisces

WHAT THE STARS FORETELL

MARCH 21 TO APRIL 19 — ARIES

The Aries born admire scientific thought and are themselves philosophical; do not become discouraged easily, possessing a penetrating will power. They are at their best when they can guide, control and govern themselves and others, as they have the ability to map out the future and lay out modes of action. They are lovers of independence, fond of their own way and happy only in activity and command. The desire is to be at the head of things and leaders in thought and action. They are enterprising and ambitious, quite versatile and usually rather headstrong and impulsive, forceful and determined in effort and expressive in speech; intense when interested; vehement when excited. Somewhat inclined to be fiery or quick-tempered and ready to resent abuse or imposition, and, while liable to go to extremes through indignation, they do not hold a grudge for any length of time. They love justice and freedom; are enthusiastic admirers; have practical ideals and possess an electric nature. Aries is ruled by Mars.

APRIL 20 TO MAY 20 — TAURUS

These people have a self-reliant nature capable of working hard and long in order to accomplish their purposes. Gentle while unprovoked, but "mad as a bull" when really angered, and when opposed are stubborn and unyielding; are usually quiet, dogmatic and somewhat secretive or reserved concerning their affairs. They have a great deal of endurance, latent power and energy; are practical and organizing, usually sincere, reliable and trustworthy. They are fond of pleasure and love beauty in nature, art, music, literature; are moved greatly by feeling and sympathy. Possessing a magnetic quality, they are able to benefit those who are irritable or nervous. They are careful and steady and able to carry to completion the projects which they undertake. They have the ability to earn money for others and are good at all executive work; matters connected with the earth and its products succeed under their supervision. Taurus is ruled by Venus.

MAY 21 TO JUNE 20 — GEMINI

Those born under this sign are ambitious, aspiring, curious and given to inquiry, investigation and experimenting; they are also apt, dexterous, active and capable of engaging in two or more pursuits at the same time. The nature is sympathetic and sensitive; the mind is intuitional, perceptive and imaginative, also quite idealistic and fond of all mental recreation. There is a liking for pleasure, adventure, science and educational pursuits. At times they are restless, anxious, high-strung, and diffusive; mentally timid, indecisive, irritable, and excitable. They love change and diversity and must be constantly busy to be happy because inactivity causes them impatience. They have the ability to be very clever as they are progressive, inventive, mechanical and ingenious. They possess inherent conversational and literary ability. They do best in occupations where there is variety of activity; where the mind and hands can be engaged in several different things. The literary and educational world is their best outlet. Gemini is ruled by Mercury.

JUNE 21 TO JULY 22 — CANCER

Gives a sensitive and retiring disposition with many changes and ups and downs of positions and occupations. They have a fertile imagination, are somewhat sentimental, sympathetic and talkative. They are fond of home and family; are industrious, frugal, economical and anxious to acquire the goods of life. Fear of ridicule or criticism makes them discreet, diplomatic and conventional. They appreciate approbation and are easily encouraged by kindness. They have a tenacious memory especially for family or historical events. The emotions are strong and they delight in beautiful scenery and in romantic or strange experiences or adventures. They have psychic and mediumistic faculties, are very conscientious, receptive to new ideas, and have the ability to adapt themselves to environment. They are adapted to pursuits of a fluctuating nature, such as catering to public needs and desires. Cancer is ruled by the Moon.

JULY 23 TO AUGUST 22 — LEO

The Leo born are good natured, philosophical, generous, with noble dispositions. They are frank, independent, impulsive, forceful and demonstrative in manner. Their nature is electric and inspiring. They have great hope, faith and fortitude, are energetic and lavish in the expenditure of vitality when their sympathy or interest is aroused. In affection they are ardent, sincere and passionate. They are philanthropic, charitable, loyal, aspiring, conscientious, adaptable, inventive and intuitive; entertain high ideals, are imperious and fond of power and command; usually popular and leaders in their social sphere. They are generally good-tempered, though high strung and quick to anger, yet are very forgiving and do not hold a grudge for long. They receive and grant favors readily and are usually fortunate in the long run. They succeed best where they have authority or hold some high or responsible position in managing or executive departments. Leo is ruled by the Sun.

AUGUST 23 TO SEPTEMBER 22 — VIRGO

People born under this sign are modest, conservative, thoughtful and industrious. They have a desire for wealth, but require extra effort to save money; are very active, not easily contented, and learn readily and quickly; have good endurance and do not show their age. Mentally, they are very perceptive and somewhat intuitive; are of a speculative turn and often give way to over-anxiety; are sensitive to surroundings and to the condition of others. They are quite discriminative and careful of details. Cautious regarding their own interests and will not neglect the interests of others, being diplomatic, tactful and shrewd. They are prudent, economical, practical, and usually act with forethought. They should always avoid drugs and animal foods and should study hygiene in connection with diet to maintain health. Commercial and business affairs and matters connected with the earth and its products succeed under their careful supervision. Virgo is ruled by Mercury.

SEPTEMBER 23 TO OCTOBER 22 — LIBRA

Gives keen sense of perception with foresight and good comparison. They love justice, order, peace and harmony and are usually very courteous, pleasant and agreeable persons; although quick in decision and anger, are easily appeased. They are fond of beauty in all forms, in nature, art, music, literature, and can enter with zest into refined and cultured pleasures and amusements and greatly enjoy the company and society of brave, happy, sunny and mirthful people. They are affectionate, sympathetic, kind, generous and compassionate; also idealistic, artistic, adaptable, constructive, intuitive, impressionable and inspirational. They admire modesty and refinement; are ambitious, disliking unclean work and all discord. The best outlet for their talents is in the professions, and they have a likability for lines requiring good taste, neat touch and fine finish. Libra is ruled by Venus.

OCTOBER 23 TO NOVEMBER 22 — SCORPIO

Scorpio natives are tenacious, determined and secretive, possessing a quick, keen, shrewd, critical and penetrating mentality. They are somewhat inclined to be suspicious or skeptical and stingingly sarcastic. They are quick-witted, quick in speech and action, and alert, forceful and positive. They are often blunt, brusque, and seemingly fond of contest but nevertheless they make staunch and splendid friends. They possess grit and enterprise that will enable them to reach high attainments. They accomplish their purposes by subtlety, strength of will or by force if necessary. They have keen judgment and mechanical skill and much constructive or destructive ability. They enjoy travel, are fond of investigating mysteries and things occult; although appreciating luxury, can be very frugal and economical. They are natural detectives, sheriffs, bailiffs, chemists, surgeons and contractors, and gifted in accomplishing things requiring muscular skill or aggressive enterprise. Scorpio is ruled by Mars.

NOVEMBER 23 TO DECEMBER 21 — SAGITTARIUS

A nature which is jovial, bright, hopeful, generous and charitable. They love liberty and freedom, are very independent, dislike a master and will allow no one to order or drive them about, but are usually good humored and honorable. In disposition they are frank, fearless, impulsive, demonstrative, outspoken, nervously energetic, ambitious, sincere and quick to arrive at conclusions. They are sympathetic and loving, possess good calculation and foresight, are intuitive and prophetic, and, while often appearing blunt or abrupt, yet they rarely miss the mark in their deductions. At times they are restless, over-anxious and high strung. They respect religious customs, enjoy outdoor sports, are fond of animals and interested in travel, law, medicine and philosophy. In the professions or commercial world they are generally aggressive, progressive, and aspiring; quick to see and take advantage of opportunities and to definitely consummate business arrangements. Always aim directly at the point in their affairs. They like "big business" and large financial undertakings. Sagittarius is ruled by Jupiter.

DECEMBER 22 TO JANUARY 19 — CAPRICORN

A serious, quiet, contemplative nature, possessing dignity and self-esteem enough to look well after their interests. They are cautious, prudent, economical and practical, and usually act only after due premeditation. They are ambitious and persevering, and can work hard and long without becoming discouraged. Capable of much endeavor where opportunity is afforded especially in business. They possess organizing and concentrative ability, and being determined and persistent, also having caution and deep thought, they can plan and carry out schemes of considerable magnitude. They are not demonstrative in feeling and do not readily show their sympathy; they prefer ideas to words and acts to promises. They are industrious, self-reliant and thrifty; respect religion and are given to investigation, interested in theology and become very profound in any subject or science undertaken. If Saturn the significator, is much afflicted in the horoscope, they meet with many delays and disappointments, are inclined to give way too readily to adverse circumstances, and are restricted by poor health; otherwise they do well with matters connected with the earth and its products, and with large corporations. Capricorn is ruled by Saturn.

JANUARY 20 TO FEBRUARY 18 — AQUARIUS

A determined, patient, unobtrusive and faithful nature as a rule. They are philosophical in feeling, very humanitarian and usually refined; fond of art, music, scenery and literature. In disposition are reasonable, thoughtful, discriminative, concentrative and intelligent. Everything in the mental world appeals to them, and they are sincere, artistic and practical; fond of honor and dignity, active in reforms, progressive in ideas, and possess a sympathetic, good-hearted, pleasant, generous nature. They are clear reasoners, and very capable of dealing with facts. Have strong likes and dislikes, good memory and concentration; usually sociable and of large acquaintance. They are intuitive, fond of occult research, peculiar or eccentric in some ways. They succeed in pursuits where steady application of mind and concentration of thought are necessary, or where sociability and friends are required. They have inventive genius and literary ability. Aquarius is ruled by Uranus.

FEBRUARY 19 TO MARCH 20 — PISCES

This gives a kind, loving, trustful, sympathetic nature. The disposition is courteous, hospitable, and methodical. They are idealistic, imaginative, emotional, mediumistic, receptive and quiet. Apt in detail and orderly in manner. Quick to observe deficiencies in others or lack of completeness in anything. They are usually lacking in confidence and self-esteem, are modest and timid and hesitate about putting themselves forward. At times they are inclined to despond and become indecisive, lacking in life and energy. Capable of developing fine psychometric, telepathic, intuitive and inspiration faculty. They love music, scenery, and animals. They succeed in occupations that require industry, discretion and power to make the best of circumstances, and in any employment that brings some kind of change, or where attention to details and completeness is necessary. Pisces is ruled by Neptune.

HOME HELPS

KITCHEN WEIGHTS, MEASURES, ETC.

4 large tablespoonsful = ½ gill
1 teacup = 1 gill
1 common sized tumbler = ½ pint
2 cups = 1 pint
2 pints = 1 quart
1 tablespoonful = ½ ounce
1 large wine glass = 2 ounces
8 quarts = 1 peck
4 cups flour = 1 pound
2 cups solid butter = 1 pound
4 quarts = 1 gallon
2 cups granulated sugar = 1 pound
3 cups cornmeal = 1 pound
2⅔ cups brown sugar = 1 pound
2 cups solid meat = 1 pound
2⅔ cups powdered sugar = 1 pound
16 ounces = 1 pound
2 tablespoons butter, sugar, salt = 1 ounce
4 tablespoons flour = 1 ounce
16 tablespoonsful = 1 cupful
60 drops = 1 teaspoonful
8 saltspoonsful = 1 teaspoonful
3 teaspoonsful = 1 tablespoonful
4 tablespoonsful = ¼ cupful
1 cup shelled almonds = ¼ pound
¼ pound cornstarch = 1 cupful

Cup Measures *

1 cup granulated sugar	= ½ pound
1 cup butter	= ½ pound
1 cup lard	= ½ pound
1 cup flour	= ¼ pound
1 cup rice	= ½ pound
1 cup cornmeal	= 5 ounces
1 cup raisins (stemmed)	= 6 ounces
1 cup currants (cleaned)	= 6 ounces
1 cup bread crumbs (stale)	= 2 ounces
1 cup chopped meat	= ½ pound

* Approximate only.

Equivalents of Capacity

(All measures are level full)

3 teaspoons	= 1 tablespoon
½ fluid ounce	= 1 tablespoon
16 tablespoons	= 1 cup
2 gills	= 1 cup
½ liquid pint	= 1 cup
8 fluid ounces	= 1 cup
1 liquid pint	= 2 cups
16 fluid ounces	= 2 cups

Lbs. per bu.	Lbs. per bu.
Apples, 45	Cherries, 56
Barley, 47	Chestnuts, 50
Beans, dried, 60	Clover seed, 60
Beets, 56	Coal, 75
Bran, 20	Coke, 40
Buckwheat, 48	Corn, shelled, 56
Cabbage, 50	Corn, ear, 70
Carrots, 50	Cornmeal, 50
Cement, 100	Cranberries, 40
Charcoal, 20	
Cucumbers, 50	Potatoes (sweet) 54
Currants, 40	Quinces, 48
Grapes, 48	Rice, 45
Grass seed, 14	Rutabaga, 60
Hominy, 60	Rye, 56
Lime, 80	Rye-meal, 60
Oats, 32	Salt (coarse), 85
Onions, 50	Salt (ground), 62
Peaches, 48	Sand, 100
Peanuts, 22	Timothy seed, 45
Pears, 50	Tomatoes, 60
Peas, green, 56	Turnips, 60
Peas, dried, 60	Walnuts, 50
Plums, 64	Wheat, 60
Potatoes, 60	

WEDDING ANNIVERSARIES

1st Year.....Paper	15th Year....Crystal
2nd Year....Calico	20th Year.....China
3rd Year...Muslin	25th Year....Silver
4th Year.....Silk	30th Year.....Pearl
5th Year....Wood	35th Year.....Coral
6th Year.....Iron	40th Year.....Ruby
7th Year.....Wool	45th Year..Sapphire
8th Year....Bronze	50th Year.....Gold
9th Year...Pottery	55th Year...Emerald
10th Year.....Tin	60th Year..Diamond

75th Year..Diamond

BIRTHSTONES AND FLOWERS

January	Garnet	Snowdrop
February	Amethyst	Primrose
March	Bloodstone and Aquamarine	Violet
April	Diamond	Daisy
May	Emerald	Hawthorn
June	Pearl and Moonstone	Rose
July	Ruby	Water Lily
August	Sardonyx and Peridot	Poppy
September	Sapphire	Morning Glory
October	Opal and Tourmaline	Hops
November	Topaz	Chrysanthemum
December	Turquoise and Lapis Lazuli	Holly

HOW TO REMOVE STAINS

Blood and meat juice. Use cold water; soap and cold water; or starch paste.

Bluing. Use boiling water.

Chocolate and cocoa. Use borax and cold water; bleach if necessary.

Coffee and tea. (Clear.)—Use boiling water; bleach if necessary. (With cream.)—Use cold water, then boiling water; bleach if necessary.

Cream and milk. Use cold water, then soap and cold water.

Egg. Use cold water.

Fruit and fruit juices. Use boiling water; bleach if necessary.

Grass. Use cold water; soap and cold water; alcohol; or a bleaching agent.

Grease and oils. Use French chalk, blotting paper or other absorbent; or warm water and soap; or gasoline, benzine, or carbon tetrachloride.

Iodine. Use warm water and soap; alcohol; or ammonia.

Ink. Try cold water; then use an acid or bleach if necessary.

Iron. Use oxalic acid; hydrochloric acid; salts of lemon; or lemon juice and salt.

Kerosene. Use warm water and soap.

Lampblack and soot. Use kerosene, benzine, chloroform, ether, gasoline, or carbon tetrachloride.

Medicine. Use alcohol.

Mildew. If fresh, use cold water; otherwise try to bleach with javelle water or potassium permanganate.

Paint and varnish. Use alcohol, carbon tetrachloride, chloroform, or turpentine.

Perspiration. Use soap and warm water; bleach in the sun or with javelle water or potassium permanganate.

Pitch, tar, and wheel grease. Rub with fat; then use soap and warm water; or benzine, gasoline, or carbon tetrachloride.

Scorch. Bleach in the sunshine or with javelle water.

Shoe polish. (Black.)—Use soap and water; or turpentine. (Tan.)—Use alcohol.

Syrup. Use water.

Stove polish. Use cold water and soap; or kerosene, benzine, or gasoline.

Vaseline. Use kerosene or turpentine.

Water. Steam or sponge the entire surface of water-spotted materials.

Wax. Scrape off as much as possible. Use French chalk, blotting paper or other absorbent, with a warm iron; or use benzine or gasoline. If color remains, use alcohol or bleach.

ACTUAL TIME IN USE IN THE LARGEST CITIES OF THE WORLD WHEN IT IS 12:00 NOON, WASHINGTON

Athens.....	7:00 P. M.	Melbourne next day..	3:00 A. M.
Auckland next day.....	3:00 A. M.	Milwaukee..	11:00 A. M.
Berlin.....	6:00 P. M.	Minneapolis.	11:00 A. M.
Bombay....	10:30 P. M.	Natal.....	7:00 P. M.
Boston.....	12:00 noon	New Orleans	11:00 A. M.
Buffalo.....	12:00 noon	New York...	12:00 noon
Cape Town..	7:00 P. M.	Omaha.....	11:00 A. M.
Chicago.....	11:00 A. M.	Ottawa.....	12:00 noon
Cincinnati..	11:00 A. M.	Panama....	12:00 noon
Cleveland...	12:00 noon	Paris.....	5:00 P. M.
Constantinople	7:00 P. M.	Philad'p'a...	12:00 noon
Denver.....	10:00 A. M.	Pittsb'r'g...	12:00 noon
Detroit.....	12:00 noon	Portland....	9:00 A. M.
Galveston...	11:00 A. M.	Quebec.....	12:00 noon
Halifax.....	1:00 P. M.	Rio de J'n'ro.	2:00 P. M.
Hamburg...	6:00 P. M.	Rome.....	6:00 P. M.
Havana.....	11:31 A. M.	Salt L. City.	10:00 A. M.
Hong Kong next day..	1:00 A. M.	San Francisco	9:00 A. M.
Honolulu...	6:30 A. M.	St. Louis....	11:00 A. M.
Jerusalem...	7:00 P. M.	Seattle.....	9:00 A. M.
Kansas City.	11:00 A. M.	Suez.....	7:00 P. M.
Lisbon.....	4:24 P. M.	Toledo.....	12:00 noon
Liverpool...	5:00 P. M.	Vancouver..	9:00 A. M.
London.....	5:00 P. M.	Vienna.....	6:00 P. M.
Madrid.....	5:00 P. M.	Winnipeg...	11:00 A. M.
Manila next day.....	1:00 A. M.	Yokohama next day..	2:00 A. M.

ROMAN AND ARABIC NUMERALS

I	1	XX	20
II	2	XXX	30
III	3	XL	40
IV	4	L	50
V	5	LX	60
VI	6	LXX	70
VII	7	LXXX	80
VIII	8	XC	90
IX	9	C	100
X	10	CC	200
XI	11	CCC	300
XII	12	CCCC	400
XIII	13	D	500
XIV	14	DC	600
XV	15	DCC	700
XVI	16	DCCC	800
XVII	17	CM	900
XVIII	18	M	1000
XIX	19	MM	2000

ANCIENT MYTHOLOGICAL GODS:

Jupiter: God of Heaven and Earth; Apollo: God of Sun, Music and Medicine; Venus: God of Love and Beauty; Neptune: God of the Sea; Mercury: God of Commerce; Mars: God of War.

FIRST AID

WHAT TO DO IN CERTAIN EMERGENCIES

First aid is the first care given to help injury or sudden illness until necessary treatment can be given by a physician.

Cuts and Scratches: If severe, stop the bleeding by direct pressure on the wound with a sterile pad. When the bleeding ceases, paint with 2 per cent iodine and let it dry thoroughly before applying bandage or Band-Aid.

Open Wounds: Clean dirty or greasy wounds with high grade benzine, then apply half strength iodine. All open wounds should be covered with gauze or bandage. Do not touch wound with fingers. Do not use anything but accepted antiseptics, or blood poisoning may be caused.

Burns: For severe burns call a physician at once. To slight burns apply sterile gauze wrung out in a solution of warm water and baking soda, or apply the 5 per cent tannic acid jelly from your first aid kit. Never put iodine on a burn. Apply any bandage loosely.

Poison Ivy and Sumac: Wash thoroughly with soap and warm water. Apply dressings kept wet with a very strong solution of Epsom salts and cold water; or else apply a thick paste made of soap and warm water, which should be allowed to dry and remain on all night.

Insect Stings: Remove "sting" and apply household ammonia or a paste made of baking soda.

Sprains: Violent stretching or twisting of a joint may cause a sprain. It is characterized by pain and rapid swelling. Keep injured part raised, on pillow if an ankle, in sling if a wrist. Apply compresses wrung out of cold water, or ice bags. Send for a doctor if the case is severe.

Fainting: Keep patient lying down and lower head. Loosen any tight clothing. Apply ammonia inhalant or smelling salts to nose and sprinkle face with cold water.

Shock: Lay patient on back, head low, loosen clothing around neck, chest and abdomen. Keep warm with blankets and hot water bottles. If conscious and able to swallow, give hot, strong coffee, hot milk, or half a teaspoonful of aromatic spirits of ammonia in water.

Fracture: Apply splints reaching above and below the joints of the fractured bone, to permit moving without pain or danger. Three persons are needed for lifting on stretcher—one at head and shoulders, one at hips, and the other at the legs.

Eye Injuries: Loose particles may be removed from eyelid with a clean handkerchief or a bit of cotton rolled on a toothpick. Particles embedded in the eyeball or lid must always be left to a surgeon, or blindness may result. Use cold compress temporarily to relieve pain until doctor arrives.

Sunstroke: Cool head and body — especially head—as quickly as possible with cold compresses, ice bags, or a cool bath. Never give stimulants. Keep head slightly raised. Treat heat exhaustion same as shock.

Fits: Do not attempt to hold patient down. Place any small object between teeth to prevent biting tongue. Let sleep after the attack has passed, as exhaustion usually follows.

Dog Bite: Wash wound with running water, and apply tincture of iodine. Bandage and take to doctor immediately to decide whether Pasteur or Vaccine Treatment is advisable. Have the dog examined by the local health authorities for possible evidence of rabies.

FOR POISONING

First: Send for a physician.

Second: Induce vomiting by tickling throat with feather or finger. Drink hot water or strong mustard and water. Swallow sweet oil or whites of eggs.

SPECIAL POISONS AND ANTIDOTES

Acids: Muriatic, Oxalic, Acetic Sulphuric (Oil of Vitriol), Nitric (Aqua Fortis).

Ant.: Soap suds, magnesia, lime-water.

Prussic Acid: Cyanide of Potassium.

Ant.: Ammonia in water. Dash water in face. Give stimulants.

Carbolic Acid:

Ant.: Flour and water, mucilaginous drinks.

Alkalies: Potash, Lye, Hartshorn, Ammonia.

Ant.: Vinegar or lemon juice in water.

Arsenic: Rat Poison, Paris Green.

Ant.: Milk, raw eggs, sweet oil, lime-water, flour and water.

Bug Poison: Lead, Saltpetre, Corrosive Sublimate, Sugar of Lead, Blue Vitriol.

Ant.: Whites of eggs or milk in large doses.

Chloroform: Chloral, Ether.

Ant.: Give emetic, keep patient aroused; apply mustard plaster over heart and calves of legs; use artificial respiration.

Carbonate of Soda: Copperas, Cobalt.

Ant.: Soap suds and mucilaginous drinks.

Iodine: Antimony, Tartar Emetic.

Ant.: Starch and water, chalk, magnesia, starchy food, strong tea. Apply external heat.

Mercury and its Salts.

Ant.: Whites of Eggs, Milk Mucilages.

Opium: Morphine, Laudanum, Paregoric, Soothing Powders or Syrups.

Ant.: Strong coffee, mustard or ipecac as emetic. Keep awake and moving. Keep warm.

GARDENING FOR THE FOUR SEASONS

The winter months have enough work to keep the gardening enthusiast occupied with his favorite subject, if he wishes to extend his activities that far. For the ultimate in gardens, there is always something to be done even when the earth is blanketed deep in snow and summer seems far away. For those whose chief delight is flowers, this pleasant toil will bring rich rewards later on while it provides a useful occupation for the long winter days.

JANUARY

This is an ideal time to plan the perfect garden. Draw up a plan to scale of your ground and work from that, looking to enhance the beauty of your house with appropriate flowers, to overcome or soften undesirable features of your property, and to secure the maximum loveliness and pleasure from your garden. Send for seed catalogues and make your selections early—add them to your books on gardening, for they serve admirably as reference works in times of doubt. Make a schedule of the things you wish to do this year as a sure means of getting them done.

Inspect your evergreens after every snowfall, and brush off the heavy weights of snow that rest on them. Neglect of this may cause their ruin. Bulbs potted for winter bloom and planted in cold frames the preceding Fall, may be brought in during this month and gradually exposed to sunlight.

FEBRUARY

If you want delphiniums, you may sow them indoors at this time and have them flower during July. In ordering seeds you will probably have the greatest success by ordering the following strains: Formosan, Wrexham, Gold Medal Hybrids and Belladonna. Use light and porous soil only, the best combination being equal parts of good garden loam, sand and leaf mould or peat moss.

To brighten the house, you can force the early bloom of pussy willows by bringing them indoors and placing them in water with a piece of charcoal in it to keep it fresh. This may also be done with forsythia, dogwood, cherry and peach blossoms, Japanese quince and the bridal-wreath spirea.

Inspect your house plants for insects. The aphis, small, soft-bodied green or black insects that multiply with remarkable speed, may be controlled with a contact spray such as Black-leaf 40 or any good nicotine solution. Mealy bugs, which are recognizable from their covering of a mealy, white substance, should be sprayed with a solution of lemon oil, or destroyed by washing the leaves of the affected plant with a soft cloth dipped in denatured alcohol. Scales of various kinds are bested by spraying with a whale oil soap solution.

MARCH

Now we can begin the outdoor work. The winter mulch may be removed from the garden beds, taking care to do this on a dull, cloudy day so that tender green shoots may not be too suddenly exposed to strong sunlight. The blooming of the first snow drops is the signal to do this. As soon as the frost is out of the ground, sweet peas can be planted with the assurance that the cool days of early Spring are really beneficial to them. Plant the seed four inches apart in a trench six inches deep, in well-enriched soil. Cover with two inches of soil. They will germinate more quickly if the seed is soaked in water overnight before planting.

If the weather shows promise of continuing to be mild, some of the hardy perennials may be planted. Annual larkspur, phlox drummondi, California and Shirley poppies will do well. The more tender annuals, such as zinnias, asters, lobelia and ageratum may be started indoors or in cold frames for transplanting when the weather becomes warmer.

Prepare the soil of your garden now—preferably by "double digging." This is done by digging a trench the width of the bed, placing the top soil in a pile.

Then loosen the bottom soil in the trench, and work in some well-rotted manure and compost. Start the next trench close to the first, placing the top soil over the enriched bottom soil of the first trench. Treat the bottom soil as before, and cover with the top soil removed from the third trench, and so on until the bed has been thoroughly covered. This will leave the soil in excellent shape.

Plants which have been left in the garden all winter, such as hardy chrysanthemums, hardy asters and phlox, should be lifted and divided. This should be done every two or three years, as plants which are left undisturbed will decline unless they are divided.

APRIL

Use a good top dressing, such as well composted manure, bone meal and pulverized sheep manure, at the rate of twelve pounds to the hundred square feet, over all your garden beds. Your shrubbery will benefit by thorough cultivation and top dressing, too. As soon as the rose beds start growing, work a light application of bone meal into the soil.

Keep all beds carefully weeded as weeds grow rapidly during the Spring. If you do not let them get a start, you will save much work later on. If the latter days of the month are mild and the soil is warm, gladiolus bulbs may be planted. You may have these blooms all throughout the season if you make successive plantings a few weeks apart until July. Plant the bulbs about four inches deep and five or six inches apart.

The lawn should be carefully raked, vigorously enough to loosen the top soil, and the bare spots reseeded. As the surface will probably be bumpy and uneven after the winter, it should be rolled. To stimulate growth and enrich the soil, use top dressing in the same rate as used on the flower beds. This should always be applied when the grass is dry, preferably before a shower. Do not use lime on your lawn, as it encourages the growth of weeds and does not benefit grass to any great extent.

MAY

When all danger of frost is past, and the soil warm and mellow, dahlias may be planted, but not before. They require a well-drained soil and plenty of sunshine. A sandy loam, with a subsoil that will drain it well is the best. The best dahlias will be raised by leaving only one or two strong shoots on a plant, disbudding all auxiliary shoots, staking early to make the stems strong and straight, and giving weekly applications of liquid manure. These are the practices followed in raising exhibition flowers, by concentrating the strength of the plant on one or two flowers for superfine quality.

Disbudding should also be practiced on roses for the best flowers. Leave the main or terminal bud and remove the others that cluster about it. Peat moss over the rose-bud throughout the entire summer will keep the soil moist and cool, and save the work of cultivation.

In the case of your jonquils, tulips and narcissus, you must leave their foliage on until it ripens and turns brown. Unless the seeds are desired, the seed pods should be removed to conserve the vitality of the plants.

JUNE

The month of roses, and a month of activity if you want good ones. A weekly application of liquid manure is necessary for best quality blooms. This is made by soaking a bushel sack of manure in half a barrel of water for several days. When cutting roses, make a clean slanting cut just above an outside bud, always leaving two or three buds on the cane to insure later bloom. A sharp lookout must be kept for the pests that attack roses, such as aphis, rose chafers and rose leaf rollers. The last are controlled by spraying or dusting with arsenate of lead, the aphis with Black-leaf 40, but the rose chafers or beetles must be picked off by hand and dropped into kerosene. They are very destructive and spraying unfortunately does no good in ridding the plants of them. Roses are also susceptible to mildew and Black Spot, diseases which will have to be kept in check by dusting the plants every week with Massee Dust when they are detected.

Examine your lilacs for oyster shell scale and destroy them, if present, by spraying with a whale-oil soap solution. Cut the faded blooms from them before they go to seed, to secure better flowers in greater quantity next season.

When cutting flowers, do it in the early morning before the sun is strong. If the stems of poppies are placed in very hot water immediately after cutting, the flowers will last much longer.

JULY

Prune your climbing roses, cutting and removing the older canes to give the younger and more vigorous shoots a chance. Exceedingly long and awkward branches should be pruned back in order to make the training easier, for the greatest beauty of climbing roses is revealed when they are not allowed to become tangled and unwieldy.

Narcissus bulbs may be lifted and divided at this time, also bearded iris. The bulbs may either be replanted immediately, or stored away in a cool, dark place for planting in September. Plant gladiolus for autumn flowering. Some of the quick-growing annuals may be sowed: batchelor's buttons, poppies, nigela, viscaria and sweet alyssum. Take your cuttings of arabis, phlox divaricata, viola Jersey Gem, and other perennials, as the tips of the growing shoots will take root quickly. Plant the cuttings in clean sand in a flat or cold frame, and keep well shaded and watered until they have taken root.

Remove the faded blooms from all your plants to keep them from going to seed. Many flowers may be kept in bloom for a long time if this is done. If weeds are kept down during this month, the rest of the season will be very easy in this direction. Sow the seeds for the second flowering of biennials such as pansies, English daisies, forget-me-nots and wallflowers.

AUGUST

An inconspicuous way of staking your tall flowers, in order that their stems may be straight and strong, is to use small round stakes and paint them green. They will scarcely be noticed among the stalks and leaves.

Disbud your dahlias and chrysanthemums to obtain flowers of the largest size and greatest beauty. If your phlox shows traces of mildew, dust them with flowers of sulphur. Plant Oriental poppies at this time, also candidum lilies to have the bulbs well established before winter sets in. They should be planted at a slight angle to prevent rotting, and at a depth of only two or three inches.

Keep your garden well soaked at this time, when there is frequently a drought. Remember that a light sprinkling only tends to make the roots of plants shallow and lacking in vigor—it is better to soak them well two or three times a week than to give them an inadequate sprinkle every evening.

If you have shady places in your garden, there are a number of lovely flowers that do well in partial shade. Use the following to brighten up the dark and bare spots you may have in odd corners:

Lily of the Valley	Blue-eyed Mary	Plaintain Lily
Jacob's Ladder	Crocus	Primroses
Columbine	Narcissus	Virginia Cowslip
Foxgloves	Wake Robin	Monkshood

SEPTEMBER

Transplant your delphiniums to have them well established before cold weather. Provide your favorites with coverings against the first frost, for after this there is usually several weeks of lovely weather in which you may continue to enjoy them. Lift and divide Japanese iris, and plant peonies during September. Do not plant peony roots deeper than two or three inches, and provide them with plenty of well rotted manure or rich compost in preparing the soil. Keep the roots, however, from coming in actual contact with manure. As the buds begin to develop, apply liquid manure.

Take care not to let weeds go to seed in your garden, or you will have much work next season. This is an excellent time to sow grass seed, preferably just before a rain, or for the moving of sod. As narcissus and crocus bulbs require a longer period of root growth than other species, they must be placed in the ground this month. See that the soil is moderately rich and well drained. Plant the bulbs at a depth of twice their diameter, generally speaking, for the best results. Bulbs must be well established before cold weather, although some species, such as tulips, are best planted in late October or early November to prevent too much top growth.

OCTOBER

October is a splendid time in which to plant many things. In many cases, it is a much better time to plant than Spring, as long as the transplanting is done early enough to allow the plants to become well established before the ground freezes. Generally speaking, the perennials which bloom in the early Spring are best planted in the Autumn, such as primroses, hyacinths, snowdrops, scillas, Arabis, bleeding heart and phlox divaricata during October.

Lift and store your dahlia tubers and gladiolus bulbs. Start planting your shrubs at this time, and continue up to the freezing of the ground. If the seeds of poppies, clarkia, candytuft, annual larkspurs and cynoglossum are sowed now, they will not germinate until early Spring, and will then enjoy a very rapid growth during the warm days of March and April, giving them a considerable advance over the seeds sown in the Spring.

If a sudden frost has touched your flowers, they sometimes may be revived by spraying them with a fine mist of cold water before the sun strikes them in the morning. Make your cold frames ready for winter.

In storing bulbs for the winter, lay them in an open, sunny place for several days after digging, and allow them to dry before taking them inside. When the leaves are dry and brittle, they may be removed from the bulbs. Then place them in a cool, dry place in which the temperature will not be below freezing. Dahlia tubers should be dug after the first killing frost. Allow the sap to drain from the stalks, which should be trimmed several inches above the ground before digging, by placing them upside down. Leave them in the sun for several hours before storing. They may be prevented from drying out or shriveling by packing them in peat moss, or even a shallow covering of sand or soil.

NOVEMBER

Place your winter mulch only after the ground is thoroughly frozen. Rose beds in cold places should be entirely covered with straw or leaves, and the earth mounded up around each bush. This an excellent time to plant hardy roses. After the bushes of forsythia, viburnum, spirea and similar shrubs become dormant, cuttings may be taken. Each cutting should have two or three buds or joints, and should be buried where they will not be exposed to a freezing temperature. In the Spring they may be planted out in nursery beds. Clean your garden tools thoroughly, and go over them with a rag soaked in kerosene. Spread them with a thin coating of grease to prevent rust until Spring.

DECEMBER

Plant lilies-of-the-valley for Christmas bloom. Make your own Christmas wreaths from some of the common evergreens, such as arbor vitae, juniper, pine and hemlock, English Ivy, using clusters of red barberries for the spot of glowing color. Plan to have a living Christmas tree this year, to be planted later for years of enjoyment and beauty. Have a Christmas tree for the birds in your garden, festoon with strings of popcorn and bits of suet on pieces of string. Dried gourds filled with grain will resemble our cornucopias, and the birds may be led to the tree by trails of grain leading off to the woods.

BANKING TABLES

RULES FOR COMPUTING INTEREST

The following is an approximate way to estimate the interest on any principal for any number of days. When the principal contains cents, mark off four places from the right of the result to express the interest in dollars and cents. When the principal contains dollars only, mark off two places.

2%—Multiply the principal by the number of days to run, and divide by 180.

4%—Multiply the principal by the number of days to run and divide by 90.

5%—Multiply by number of days and divide by 72.

6%—Multiply by number of days and divide by 60.

7%—Multiply by number of days and divide by 52.

8%—Multiply by number of days and divide by 45.

9%—Multiply by number of days and divide by 40.

10%—Multiply by number of days and divide by 36.

12%—Multiply by number of days and divide by 30.

15%—Multiply by number of days and divide by 24.

NUMBER OF DAYS BETWEEN TWO DATES

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Jan.	365	31	59	90	120	151	181	212	243	273	304	334
Feb.	334	365	28	59	89	120	150	181	212	242	273	303
Mar.	306	337	365	31	61	92	122	153	184	214	245	275
Apr.	275	306	334	365	30	61	91	122	153	183	214	244
May	245	276	304	334	365	31	61	92	123	153	184	214
June	214	245	273	304	334	365	30	61	92	122	153	183
July	184	215	243	274	304	335	365	31	62	92	123	153
Aug.	153	184	212	243	273	304	334	365	31	61	92	122
Sept.	122	153	181	212	242	273	303	334	365	30	61	91
Oct.	92	123	151	182	212	243	273	304	335	365	31	61
Nov.	61	92	120	151	181	212	242	273	304	334	365	30
Dec.	31	62	90	121	151	182	212	243	274	304	335	365

AMOUNT OF ONE DOLLAR AT COMPOUND INTEREST

YEARS	3%	4%	4½%	5%	6%	YEARS	3%	4%	4½%	5%	6%
1	1.03	1.04	1.04	1.05	1.06	19	1.75	2.10	2.30	2.52	3.02
2	1.06	1.08	1.09	1.10	1.12	20	1.80	2.19	2.41	2.65	3.20
3	1.09	1.12	1.14	1.15	1.19	21	1.86	2.27	2.52	2.78	3.40
4	1.12	1.17	1.19	1.21	1.26	22	1.91	2.37	2.63	2.92	3.60
5	1.15	1.21	1.24	1.27	1.33	23	1.97	2.46	2.75	3.07	3.82
6	1.19	1.26	1.30	1.34	1.41	24	2.03	2.56	2.87	3.22	4.04
7	1.23	1.31	1.36	1.40	1.50	25	2.09	2.66	3.00	3.38	4.29
8	1.26	1.36	1.42	1.47	1.59	26	2.15	2.77	3.14	3.55	4.54
9	1.30	1.42	1.48	1.55	1.68	27	2.22	2.88	3.28	3.73	4.82
10	1.34	1.48	1.55	1.62	1.79	28	2.28	2.99	3.43	3.92	5.11
11	1.38	1.53	1.62	1.71	1.89	29	2.35	3.11	3.58	4.11	5.41
12	1.42	1.60	1.69	1.79	2.01	30	2.42	3.24	3.74	4.32	5.74
13	1.46	1.66	1.77	1.88	2.13	31	2.50	3.37	3.91	4.53	6.08
14	1.51	1.73	1.85	1.98	2.26	32	2.57	3.50	4.09	4.76	6.45
15	1.55	1.80	1.93	2.07	2.39	33	2.65	3.64	4.27	5.00	6.84
16	1.60	1.87	2.02	2.18	2.54	34	2.73	3.79	4.46	5.25	7.25
17	1.65	1.94	2.11	2.29	2.69	35	2.81	3.94	4.66	5.51	7.68
18	1.70	2.02	2.20	2.40	2.85	100	19.21	50.50	81.58	131.50	339.30

POINTS ABOUT BANKING

In endorsing a check, write your name as it appears on the face of the check. A check made payable to "John Jones, Treasurer," should be endorsed "John Jones, Treasurer," and not simply "John Jones or J. Jones."

All checks should be deposited as soon as possible, so that collections may be made promptly. If you hold a check too long, it may be returned to you marked "No funds," if the man who sent you the check has drawn out his money before your check was received for payment.

If you make a mistake in writing a check, do not erase or alter the amount or the name. Make out a new check, and destroy the old one.

The figures on a check should be placed close to the dollar mark, so that it would be impossible for any dishonest person to insert another figure. In writing the amount on the check in words, begin close to the left-hand margin, and after the amount is written, draw a line in the blank space left between the amount and the word "dollars." Wherever the figures and the written amount on the check differ, a bank will pay the written amount.

When making a deposit, see that your name is written on the deposit slip, in the same form as you wrote it when you left your signature with the bank. Write out the amount of deposit as plainly as possible. List cash separately and enter each check in the same order as you attach them to the deposit slip.

When depositing currency, arrange bills so that the same denominations will be together and facing upward. If your deposit is a large one, you may put the money in packages, and label each package with the amount, marking labels in your name.

A check is simply a piece of paper, on which is written an order on your bank to pay some one a certain sum. Strangers often do not like to accept this piece of paper in payment of debts due them. Therefore, in many cases your check should be certified.

When you want a check certified, hand it to the Paying Teller. He in turn gives it to the bookkeeper having charge of your account, and if the bank balance is sufficient to cover the amount, he stamps across the face, "Good for $..... (the amount named in the check), when properly endorsed." The Paying Teller or some officer of the bank then signs that statement, and the amount of the check is immediately charged to your account. In this way the bank guarantees or certifies that your check is good. If a certified check is not used, return it to the bank, with your endorsement on back under a written statement that the check was not used for purpose drawn. Make out a separate deposit slip so that the amount charged can be credited to your account.

A branch of the banking business that is of great convenience to its customers, is a Collection Department. Notes, drafts, and all negotiable papers are received for collection upon payment of a small per cent.

Notes intended for collection should be left at the bank several days before maturity, as banks sometimes notify the payer a few days before the notes fall due.

The formality of identification is a very necessary banking custom. For protection against dishonest practices or unknown persons, banks usually require that all strangers shall be properly identified.

FACTS OF THE UNITED STATES

PRESIDENTS

1. George Washington.....1789-1797
2. John Adams.....1797-1801
3. Thomas Jefferson.....1801-1809
4. James Madison.....1809-1817
5. James Monroe.....1817-1825
6. John Q. Adams.....1825-1829
7. Andrew Jackson.....1829-1837
8. Martin Van Buren.....1837-1841
9. Wm. H. Harrison.....1841-1841
10. John Tyler.....1841-1845
11. James K. Polk.....1845-1849
12. Zachary Taylor.....1849-1850
13. Millard Fillmore.....1850-1853
14. Franklin Pierce.....1853-1857
15. James Buchanan.....1857-1861
16. Abraham Lincoln.....1861-1865
17. Andrew Johnson.....1865-1869
18. Ulysses S. Grant.....1869-1877
19. Rutherford B. Hayes.....1877-1881
20. James A. Garfield.....1881-1881
21. Chester A. Arthur.....1881-1885
22. Grover Cleveland.....1885-1889
23. Benjamin Harrison.....1889-1893
24. Grover Cleveland.....1893-1897
25. William McKinley.....1897-1901
26. Theodore Roosevelt.....1901-1909
27. William H. Taft.....1909-1913
28. Woodrow Wilson.....1913-1921
29. Warren G. Harding.....1921-1923
30. Calvin Coolidge.....1923-1929
31. Herbert C. Hoover.....1929-1933
32. Franklin D. Roosevelt.....1933-1945
33. Harry S. Truman.....1945-1953
34. Dwight D. Eisenhower.....1953-

STATE CAPITALS

Alabama, Montgomery; Arizona, Phoenix Arkansas, Little Rock; California, Sacramento; Colorado, Denver; Connecticut, Hartford; Delaware, Dover; Florida, Tallahassee; Georgia, Atlanta; Idaho, Boise; Illinois, Springfield; Indiana, Indianapolis; Iowa, Des Moines; Kansas, Topeka; Kentucky, Frankfort; Louisiana, Baton Rouge; Maine, Augusta; Maryland, Annapolis; Massachusetts, Boston; Michigan, Lansing; Minnesota, St. Paul; Mississippi, Jackson; Missouri, Jefferson City; Montana, Helena; Nebraska, Lincoln; Nevada, Carson City; New Hampshire, Concord; New Jersey, Trenton; New Mexico, Santa Fe; New York, Albany; North Carolina, Raleigh; North Dakota, Bismarck; Ohio, Columbus; Oklahoma, Oklahoma City; Oregon, Salem; Pennsylvania, Harrisburg; Rhode Island, Providence; South Carolina, Columbia; South Dakota, Pierre; Tennessee, Nashville; Texas, Austin; Utah, Salt Lake City; Vermont, Montpelier; Virginia, Richmond; Washington, Olympia; West Virginia, Charleston; Wisconsin, Madison; Wyoming, Cheyenne.

"DON'TS" IN THE USE OF THE FLAG

The conference called at Washington in June, 1923, to draw up a code covering proper civil usage of the flag, adopted the following list of things to avoid:

1. Do not dip the flag of the United States to any person or any thing. The regimental color, State flag, organization or institutional flag, will render this honor. At sea the flag may be dipped in acknowledgment of the salute of the flag of another nation.
2. Do not display the flag of the United States with the Union down except as a signal of distress.
3. Do not place any other flag or pennant above or to the right of the flag.
4. Do not let the flag of the United States touch the ground or tail in the water.
5. Do not place any object or emblem of any kind on or above the flag of the United States.
6. Do not use the flag as drapery.
7. Do not fasten the flag in such manner as will permit it to be easily torn.
8. Do not drape the flag over the top or sides of a vehicle, train or boat.
9. Do not use the flag to drape over front of a platform or over chairs or benches.
10. Do not display the flag on a float in a parade except on a staff.
11. Do not use the flag as a ceiling covering.
12. Do not use the flag of the United States as a portion of a costume.
13. Do not put lettering upon the flag.
14. Do not use the flag in any advertising.
15. Do not use the flag in such a manner as to cause it to be soiled or damaged.

WEIGHTS AND MEASURES

APOTHECARIES' WEIGHT

20 grains .....1 scruple 8 drams .....1 ounce
3 scruples .....1 dram 12 ounces .....1 pound
Ounce and pound are the same as in Troy Weight.

AVOIRDUPOIS WEIGHT

27 11/32 grains..1 dram 25 pounds ....1 quarter
16 drams .....1 ounce 4 quarters .....1 cwt.
16 ounces .....1 pound 2,000 lbs. ...1 short ton
2,240 pounds .....Long Ton

TROY WEIGHT

24 grains .....1 pwt..
20 pwt. .....1 ounce 12 ounces .....1 pound
Used for weighing gold, silver and jewels.

CLOTH MEASURE

2¼ inches .....1 nail 4 nails .....1 quarter
4 quarters .....1 yard

CUBIC MEASURE

1,728 cubic inches.....1 cubic foot
27 cubic feet.....1 cubic yard
128 cubic feet .....1 cord (wood)
40 cubic feet.....1 ton (shipping)
2,150.42 cubic inches.....1 standard bushel
231 cubic inches.....1 U. S. standard gallon
1 cubic foot.....about 4/5 of a bushel

DRY MEASURE

2 pints .....1 quart 4 pecks .....1 bushel
8 quarts .....1 peck 36 bushels ...1 chaldron

LIQUID MEASURE

4 gills .....1 pint 4 quarts .....1 gallon
2 pints .....1 quart 31½ gallons ...1 barrel
2 barrels .....1 hogshead

LONG MEASURE

12 inches .....1 foot 40 rods .....1 furlong
3 feet .....1 yard 8 furlongs ...1 sta. mile
5½ yards .....1 rod 3 miles .....1 league

MARINERS MEASURE

6 feet....1 fathom 120 fathoms....1 cable length
7½ cable lengths.....1 mile
5,280 feet.....1 statute mile
6,085 feet.....1 nautical mile

PAPER MEASURE

24 sheets, 1 quire 20 quires, 1 ream (480 sheets)
2 reams .....1 bundle 5 bundles .....1 bale

SQUARE MEASURE

144 sq. inches ..1 sq. ft. 40 sq. rods .....1 rood
9 sq. ft. .....1 sq. yd. 4 roods .....1 acre
30¼ sq. yds. ..1 sq. rod 640 acres ....1 sq. mile

SURVEYOR'S MEASURE

7.92 inches.....1 link
25 links.....1 rod
4 rods.....1 chain
10 sq. chains or 160 sq. rods.....1 acre
640 acres.....1 sq. mile
36 sq. miles (6 miles sq.).....1 township

TIME MEASURE

60 seconds ....1 minute 24 hours .....1 day
60 minutes .....1 hour 7 days .....1 week
28, 29, 30 or 31 days.....1 calendar month
30 days.....1 month.....In computing interest
365 days .....1 year 366 days ....1 leap year

MISCELLANEOUS

3 inches .....1 palm 6 inches .....1 span
4 inches .....1 hand 18 inches .....1 cubit
21.8 inches.....1 Bible cubit
2½ feet.....1 military pace

METRIC EQUIVALENTS

Linear Measure

1 centimeter .....0.3937 inch
1 inch .....2.54 centimeters
1 decimeter..... 3.937 inches .....0.328 foot
1 foot .....3.048 decimeters
1 meter..... 39.37 inches .....1.0936 yards
1 yard .....0.9144 meter
1 dekameter .....1.9884 rods
1 rod .....0.5029 dekameter
1 kilometer .....0.62137 mile
1 mile .....1.6093 kilometers

Square Measure

1 square centimeter .....0.1550 square inch
1 square inch .....6.452 square centimeters
1 square decimeter .....0.1076 square foot
1 square foot .....9.2903 square decimeters
1 square meter .....1.196 square yards
1 square yard .....0.8361 square meter
1 acre .....3,954 square rods
1 square rod .....0.2529 acre
1 hectare .....2.47 acres
1 acre .....0.4047 hectare
1 square kilometer .....0.386 square mile
1 square mile .....2.59 square kilometers

Measure of Volume

1 cubic centimeter .....0.061 cubic inch
1 cubic inch .....16.39 cubic centimeters
1 cubic decimeter .....0.0353 cubic foot
1 cubic foot .....28.317 cubic decimeters
1 cubic meter .....1.308 cubic yards
1 cubic yard .....0.7646 cubic meter
1 stere .....0.2759 cord
1 cord .....3.624 steres
1 liter.....0.908 quart dry.....1.0567 quarts liquid
1 quart dry .....1.101 liters
1 quart liquid .....0.9463 liter
1 dekaliter..... 2.6417 gallons .....135 pecks
1 gallon .....0.3785 dekaliter
1 peck .....0.881 dekaliter
1 hektoliter .....2.8375 bushels
1 bushel .....0.3524 hektoliter

Weights

1 gram .....0.03527 ounce
1 ounce .....28.35 grams
1 kilogram .....2.2046 pounds
1 pound .....0.4536 kilogram
1 metric ton .....1.1023 English tons
1 English ton .....0.9072 metric ton

APPROXIMATE METRIC EQUIVALENTS

1 decimeter .....4 inches
1 liter .....1.06 quarts liquid, 0.9 quart dry
1 meter .....1.1 yards
1 kilometer .....⅝ of a mile
1 hektoliter .....2⅝ bushels
1 hectare .....2½ acres
1 kilogram .....2 1/5 pounds
1 stere, or cubic meter .....¼ of a cord
1 metric ton .....2,200 pounds

TEMPERATURES

	Fahrenheit
Milk	Freezes 30° above Zero
Water	Freezes 32° above Zero
Olive Oil	Freezes 36° above Zero
Wine	Freezes 20° above Zero
Vinegar	Freezes 28° above Zero
Alcohol	Boils at 173° above Zero
Water	Boils at 212° above Zero
Petroleum	(average) Boils at 306° above Zero
Blood Heat	98.4° above Zero
Eggs Hatch	104° above Zero

BREEDING TABLES

INCUBATION AND GESTATION PERIODS

INCUBATION

Canaries	14 Days
Chickens	21 Days
Ducks	30 Days
Guineas	28 Days
Geese	30 Days
Ostriches	41 Days
Pheasants	25 Days
Pigeons	21 Days
Parrots	40 Days
Swan	42 Days
Turkeys	28 Days

GESTATION

Ass	12 Months
Bear	6 Months
Bitch	9 Weeks
Camel	11-12 Months
Cow	9 Months
Cat	8 Weeks
Deer	8 Months
Dromedary	12 Months
Dormouse	31 Days
Elephant	21 Months
Goat	5 Months
Guinea Pig	21 Days
Giraffe	14 Months
Lion	108 Days
Mare	11 Months
Monkey	7 Months
Opossum	26 Days
Rabbit	30 Days
Sheep	5 Months
Sow	16 Weeks
Squirrels and Rats	28 Days
Wolf and Fox	62 Days

GESTATION TABLE

Average Gestation Period Weeks or Days	Extremes (days)
Sow....16 112	109 to 120
Ewe....22 150	146 to 157
Cow....40½ 283	240 to 311
Mare...48½ 340	307 to 412

Date of Service	Date Animal Due to Give Birth			
	Mare	Cow	Ewe	Sow
Jan. 1	Dec. 7	Oct. 11	May 31	Apr. 25
Jan. 11	Dec. 17	Oct. 21	June 10	May 5
Jan. 21	Dec. 27	Oct. 31	June 20	May 15
Jan. 31	Jan. 6	Nov. 10	June 30	May 25
Feb. 10	Jan. 16	Nov. 20	July 10	June 4
Feb. 20	Jan. 26	Nov. 30	July 20	June 14
Mar. 2	Feb. 5	Dec. 10	July 30	June 24
Mar. 12	Feb. 15	Dec. 20	Aug. 9	July 4
Mar. 22	Feb. 25	Dec. 30	Aug. 19	July 14
Apr. 1	Mar. 7	Jan. 9	Aug. 29	July 24
Apr. 11	Mar. 17	Jan. 19	Sept. 8	Aug. 3
Apr. 21	Mar. 27	Jan. 29	Sept. 18	Aug. 13
May 1	Apr. 6	Feb. 8	Sept. 28	Aug. 23
May 11	Apr. 16	Feb. 18	Oct. 8	Sept. 2
May 21	Apr. 26	Feb. 28	Oct. 18	Sept. 12
May 31	May 6	Mar. 10	Oct. 28	Sept. 22
June 10	May 16	Mar. 20	Nov. 7	Oct. 2
June 20	May 26	Mar. 30	Nov. 17	Oct. 12
June 30	June 5	Apr. 9	Nov. 27	Oct. 22
July 10	June 15	Apr. 19	Dec. 7	Nov. 1
July 20	June 25	Apr. 29	Dec. 17	Nov. 11
July 30	July 5	May 9	Dec. 27	Nov. 21
Aug. 9	July 15	May 19	Jan. 6	Dec. 1
Aug. 19	July 25	May 29	Jan. 16	Dec. 11
Aug. 29	Aug. 4	June 8	Jan. 26	Dec. 21
Sept. 8	Aug. 14	June 18	Feb. 5	Dec. 31
Sept. 18	Aug. 24	June 28	Feb. 15	Jan. 10
Sept. 28	Sept. 3	July 8	Feb. 25	Jan. 20
Oct. 8	Sept. 13	July 18	Mar. 7	Jan. 30
Oct. 18	Sept. 23	July 28	Mar. 17	Feb. 9
Oct. 28	Oct. 3	Aug. 7	Mar. 27	Feb. 19
Nov. 7	Oct. 13	Aug. 17	Apr. 6	Mar. 1
Nov. 17	Oct. 23	Aug. 27	Apr. 16	Mar. 11
Nov. 27	Nov. 2	Sept. 6	Apr. 26	Mar. 21
Dec. 7	Nov. 12	Sept. 16	May 6	Mar. 31
Dec. 17	Nov. 22	Sept. 26	May 16	Apr. 10
Dec. 27	Dec. 2	Oct. 6	May 26	Apr. 20

Duration and frequency of heat in farm animals in regular condition

	In heat for	If not impregnated heat will recur in—
Mares	5-7 days*	3 to 6 weeks
Cows	2-3 days*	3 to 4 weeks
Ewes	2-3 days	17 to 28 days
Sows	2-4 days	21 days

*Subject to variation.

Date Bred	Description	Date Due	Date Bred	Description	Date Due

FARMING FIGURES

NUMBER OF SHRUBS OR PLANTS FOR AN ACRE

Distance apart	No. of Plants	Distance apart	No. of Pl'ts	Distance apart	No. of Pl'ts
3 x3 in	696,960	4 x4 ft	2,722	13 x13 ft	257
4 x4 "	392,040	4½x4½"	2,151	14 x14 "	222
6 x6 "	174,240	5 x1 "	8,712	15 x15 "	193
9 x9 "	77,440	5 x2 "	4,356	16 x16 "	170
1 x1 ft	43,560	5 x3 "	2,904	16½x16½"	160
1½x1½"	19,360	5 x4 "	2,178	17 x17 "	150
2 x1 "	21,780	5 x5 "	1,742	18 x18 "	134
2 x2 "	10,890	5½x5½"	1,417	19 x19 "	120
2½x2½"	6,960	6 x6 "	1,210	20 x20 "	108
3 x1 "	14,520	6½x6½"	1,031	25 x25 "	69
3 x2 "	7,260	7 x7 "	881	30 x30 "	48
3 x3 "	4,840	8 x8 "	680	33 x33 "	40
3½x3½"	3,555	9 x9 "	537	40 x40 "	27
4 x1 "	10,890	10 x10 "	435	50 x50 "	17
4 x2 "	5,445	11 x11 "	360	60 x60 "	12
4 x3 "	3,630	12 x12 "	302	66 x66 "	9

SUITABLE DISTANCE FOR PLANNING

Apples—Standard	25—35	ft. apart each way
Apples—Dwarf (bushes)	10	" " " "
Pears—Standard	10—20	" " " "
Pears—Dwarf	10	" " " "
Cherries—Standard	18—20	" " " "
Cherries—Dukes & Morrellos	16—18	" " " "
Plums—Standard	16—20	" " " "
Peaches	16—18	" " " "
Apricots	16—18	" " " "
Quinces	10—12	" " " "
Currants	3— 4	" " " "
Gooseberries	3— 4	" " " "
Raspberries	3— 5	" " " "
Blackberries	6— 7	" " " "
Grapes	8—12	" " " "

To estimate the number of plants required for an acre at any given distance, multiply the distance between the rows by the distance between the plants, which will give the number of square feet allotted to each plant and divide the number of square feet in an acre (43,560) by this number. The quotient will be the number of plants required.

QUANTITY OF SEEDS REQUIRED PER ACRE

Wheat	1½ to 2 bu	Carrots	2 lbs.
Rye	1½ "	Rutabagas	¾ "
Oats	3 "	Millet	½ bu.
Barley	2 "	Clover, white	4 qts.
Peas	2 to 3 "	Clover, red	8 "
White Beans	1½ "	Timothy	6 "
Buckwheat	½ "	Orchard Grass	2 bu.
Corn, broadcast	4 "	Red top	1 to 2 pks.
Corn in drills	2 to 3 "	Blue Grass	2 bu.
Corn, in hills	4 to 8 qts.	Mixedlawn Grass	1 to 2 "
Beets	3 lbs.	Tobacco	27 oz.

MINIMUM WEIGHTS OF PRODUCE

THE following are minimum weights of certain articles of produce according to the laws of the United States:

	Per Bushel		Per Bushel
Wheat	60 lbs.	Turnips	55 lbs.
Corn, in the ear	70 "	Dried Peaches	33 "
Corn, shelled	56 "	Dried Apples	26 "
Rye	56 "	Clover Seed	60 "
Buckwheat	48 "	Flax Seed	56 "
Barley	48 "	Millet Seed	50 "
Oats	32 "	Timothy Seed	45 "
Peas	60 "	Blue Grass Seed	14 "
White Beans	60 "	Hemp Seed	44 "
Castor Beans	46 "	Corn Meal	48 "
White Potatoes	60 "	Ground Peas	24 "
Sweet Potatoes	55 "	Malt	34 "
Onions	57 "	Bran	20 "

GRAIN MEASURE.

To find the capacity of a Bin or Wagon-bed; multiply the cubic feet by 8 (tenths). For great accuracy, add ⅛ of a bushel for every 100 cubic feet.

To find the cubic ft., multiply the length, width and depth together.

Find the capacity of a Bin 4 ft. wide, 5 ft. deep, and 15 ft. long.

To get the exact answer 1 bu. is added for the 300 cubic ft.

4x5x15 = 300 cubic ft.
.8

Ans. 240.0 bus.
240 + 1 = 241 bus. exact ans.

How many bus. will a Wagon-bed hold, 10 ft. long, 3 ft. wide, 18 in. or 1½ ft. deep?

☞ A Bed 10 ft. long, 3 ft. wide will hold 2 bu. for every in. in depth.

1½x3x10 = 45 cubic feet
.8

Ans. 36.0 bus.

EAR CORN MEASURE.

To find the contents of a Corn crib; multiply the cubic feet by 4 and divide the product by 9*.

Find the contents of a Corn crib 18 ft. long, 7 ft. wide and 8 ft. high.

*NOTE—This allows 2¼ cubic ft. for a bu. It is the rule most generally used, and will hold out in ordinary good corn, even if measured at the time it is cribbed.

7x8x18 = 1008 cubic feet
4

9)4032

Ans. 448 bus.

TWO SIMPLE RULES FOR FINDING THE CAPACITY OF ROUND BINS, IN BUSHELS.

Where the dimensions measure exactly in feet; multiply the diameter by the diameter, multiply by the depth, multiply by .63.

Where the dimensions measure in inches; multiply the diameter by the diameter, multiply by the depth, multiply by .000365.

TO FIND THE QUANTITY OF GRAIN WHEN HEAPED ON THE FLOOR IN THE FORM OF A CONE.

Square the depth and square the slant height, in inches. Take their difference and multiply by the depth, in inches. Multiply this product by .00048. The result will be the contents, in bushels.

TO FIND THE QUANTITY OF GRAIN WHEN HEAPED AGAINST A STRAIGHT WALL.

Square one-half of the depth and proceed as in the previous rule.

SEED PLANTING TABLES

(Compiled from Reports of the U. S. Department of Agriculture)

NEW ENGLAND

Kind of Crop	Date of Planting	Best Soil	Amount of Seed per Acre	Wks. to Mature
Corn	May 10 to 30	Sandy or clay loam	8 to 12 qts	14–17
Wheat	Fall or Spring	Clay loam	2 bush	20
Oats	April to May	Strong loam	2 to 3 bush	11–15
Barley	April to June 20	Strong loam	2 to 3 bush	10–15
Rye	April to May, Sept	Medium loam	5 to 6 pecks	40
Buckwheat	June 1 to 20	Light loam	1 to 1¼ bush	10–15
White Beans	May to June	Sandy loam	8 to 16 qts	8–14
Potatoes	April 15 to May 1	Rich loam	8 to 20 bush	12–20
Turnips	July 1 to August 3	Sandy loam	1 lb	10
Mangels	April 15 to May 5	Strong, heavy loam	4 to 6 lbs	17–22
Tobacco	Seed bed April	Sandy loam		9–12
Hay				

MIDDLE STATES

Corn	April 20 to May 30	Medium loam	6 to 8 qts	16–18
Wheat	Sept. 20 to Oct. 20	Loam	2 bush	41–43
Oats	March to May	Moist clay loam	2 to 2½ bush	16–17
Barley	March to May	Clay loam	2 to 2½ bush	13–16
Rye	Sept. 1 to Oct. 1	Sand or gravel loam	1½ bush	40–43
Buckwheat	June to July	Loam	½ to 1½ bush	8–10
White Beans	May to June	Sandy loam	1½ bush	13–14
Potatoes	March to May	Loam	8 to 15 bush	14–22
Sweet Potatoes	May to June	Sandy loam	10 to 12 bush	10–15
Cabbage	March to July	Clay or sandy loam	4 to 8 oz	8–15
Turnips	July	Loam	2 to 5 lbs	10–12
Mangels	May	Loam	10 to 15 bush	15–18
Flax	May	Limestone loam	20 qts	8–10
Tobacco	Seed bed March	Sandy loam		15–20
Hay, timothy	Aug. to Oct	Clay loam	6 to 8 qts	
Hay, clover	Feb. to April	Clay loam	6 qts	

CENTRAL AND WESTERN STATES

Kind of Crop	Date of Planting	Best Soil	Amount of Seed per Acre	Wks. to Mature
Corn	April 1 to June 1	Black or sandy loam	6 qts	16–20
Wheat	Fall or Spring	Strong loam	2 bush	40–42
Oats	April 1 to May 1	Clay loam	2 to 3 bush	12–14
Barley	Fall or Spring	Clay loam	2 bush	11–13
Rye	Sept. 1 to 30	Light loam	1 to 2 bush	35–40
Buckwheat	June	Clay loam	1 to 2 bush	10–12
White Beans	May 10 to June 10	Clay loam	1½ bush	12
Potatoes	Mar. 15 to June 1	Sandy loam	5 to 10 bush	10–20
Turnips	July 15 to Aug. 30	Loam or muck	1 to 6 lbs	10–16
Mangels	April 1 to May 15	Sandy loam	6 to 8 lbs	22–24
Flax	Mar. 15 to May 15	Loam	2 to 3 pecks	15–20
Tobacco	Seed bed March	Sandy loam	Oz. to 6 sq. rd	15–18
Hay	April to May	Clay loam	8 to 15 lbs	

SOUTHERN STATES

Cotton	Feb. to May 15	Sandy loam	1 to 3 bush	20–30
Corn	Feb. to June	Rich loam	8 qts	18–20
Wheat	Sept. to Nov	Clay loam	2 bush	43
Oats	Feb., May, Sept	Clay loam	2½ bush	17
Barley	April to May	Clay loam	2½ bush	17
Rye	Sept. to Oct	Clay loam	1½ bush	43
White Beans	March to May	Light loam	1 to 2 bush	7–8
Cabbage	Oct., Mar. to May	Light loam	4 to 8 oz	14
Watermelons	Mar. 1 to May 10	Rich, light loam	2 to 7 lbs	16–20
Onions	Feb. 1 to Apr. 10	Loam or muck		16–24
Potatoes	Jan., Feb. to April	Light, loose loam	8 to 10 bush	11–15
Sweet Potatoes	May to June	Sandy loam	10 to 12 bush	12–15
Pumpkins	April 1 to May 1	Rich, light loam	4 to 7 lbs	17–20
Tomatoes	Jan. 1 to Feb. 19	Rich, sandy loam	4 to 9 oz	14–20
Turnips	Feb., Aug., April	Rich, light loam	2 to 6 lbs	8–12
Tobacco	Seed bed March	Sandy loam	Oz. to 6 sq. rd	18–20
Cow Peas	May 1 to July 15	Sandy loam	2 to 5 pecks	6–8

MEMORANDA

MEMORANDA

NAME AND ADDRESS	TELEPHONE

NAME AND ADDRESS	TELEPHONE